



Oregon Water Resources Department Ground Water Application

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Today's Date: Friday, March 29, 2019

Base Application Fee.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	0.92	\$350.00
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) **	2	\$350.00
Permit Recording Fee. ***		\$520.00
* 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		\$2,560.00

OWRD Fee Schedule

Fee Calculator Version B20170117

JAF

9-18807

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OWRD Fee Schedule

Fee Calculator Version B20170117

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K & D ENGINEERING, INC.
276 N.W. Hickory Street • P.O. Box 725
Albany, OR 97321

LETTER OF TRANSMITTAL

Phone: (541) 928-2583
Fax: (541) 967-3458

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

DATE	3-26-19	JOB NO.	19-58
ATTENTION			
RE: Gary Crossan Farms Groundwater Right Application			

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Application for a Permit to Use Groundwater
1			Attachment 1 - Checklist + Processing Information
1			Attachment 2 - Land Use Information Form
1			Attachment 3 - Map of Division 33 Areas
1			Deed + Well Logs/Well Reports
1			Groundwater Right Application Map
1			Check #1333 (\$2,040 ⁰⁰)

THESE ARE TRANSMITTED as checked below:

- | | | |
|---|---|---|
| ☐ For approval | ☐ Approved as submitted | ☐ Resubmit _____ copies for approval |
| ☐ For your use | ☐ Approved as noted | ☐ Submit _____ copies for distribution |
| ☐ As requested | ☐ Returned for corrections | ☐ Return _____ corrected prints |
| ☐ For review and comment | ☐ _____ | |
| ☐ FOR BIDS DUE _____ | | ☐ PRINTS RETURNED AFTER LOAN TO US |

REMARKS _____

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COPY TO file

SIGNED: Jan McGuire by ls

9-18807

If enclosures are not as noted, kindly notify us at once.

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Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 503-986-0900
 www.oregon.gov/OWRD

Application for a Permit to Use Groundwater

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME GARY CROSSAN FARMS, LLC.			PHONE (HM)
PHONE (WK)	CELL 541-936-0002		FAX
ADDRESS 34474 WEBBER DR.			
CITY SHEDD	STATE OR	ZIP 97377	E-MAIL* GARYCROSSANFARMS@GMAIL.COM

Organization

NAME		PHONE	FAX
ADDRESS		CELL	
CITY	STATE	ZIP	E-MAIL*

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

AGENT / BUSINESS NAME IAN MCGUIRE, K&D ENGINEERING, INC.		PHONE 541-928-2583	FAX
ADDRESS 276 NW HICKORY ST.		CELL 541-9745194	
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 proposed and final order documents will also be mailed.)

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- 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

Gary A. Crossan (owner) 3-26-19
 Print Name and Title if applicable Date

Applicant Signature

Print Name and Title if applicable 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.
☐ YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
☐ NO, I have a recorded easement or written authorization permitting access.
☐ NO, I do not currently have written authorization or easement permitting access.
☐ NO, 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).
☐ NO, because water is to be diverted, conveyed, and/or used only on federal lands.

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Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. (*Attach additional sheets if necessary*).

N/A

Legal Description: 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
PROPOSED WELL #1	CALAPOOIA RIVER		
PROPOSED WELL #2	CALAPOOIA RIVER		

Note: The Calapooia River is the surface water to the site that flows year round. There are several intermittent streams that are closer.

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*).

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 0.92 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	☒	☐	N/A	☐	12'	~1'-120'	~75'-115'	~0'-20'	N/A	SAND AND GRAVEL	~200'	411 GPM	183.25
WELL 2	☒	☐	N/A	☐	12'	~1'-120'	~75'-115'	~0'-20'	N/A	SAND AND GRAVEL	~200'	411 GPM	183.25
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									

* 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.

See attached well logs for similar wells in the area. Well Logs Linn-196 and Linn-54216 are closest to the proposed wells. Well logs Linn-61451, Linn-61449 and Linn-61447 show the deeper soil strata that are planned for the proposed wells and are also near by the proposed wells.

For Department Use: App. Number: G-18807

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided in [Attachment 3](#) or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:

https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

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Upper Columbia - OAR 690-033-0115 thru -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

☐ Yes ☒ No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

Lower Columbia - OAR 690-033-0220 thru -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

☒ Yes ☐ No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as

appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

☐ Yes ☒ No The proposed use is for more than **one** cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:

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Statewide - OAR 690-033-0330 thru -0340

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Is the well or proposed well located in an area where the Statewide rules apply?

☒ Yes ☐ No

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If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve “no loss of essential habitat of threatened and endangered (T&E) fish species,” or “no net loss of essential habitat of sensitive (S) fish species.” If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 – October 31	183.25

For irrigation use only:

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

Primary: 73.3 Acres Supplemental: N/A Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

N/A

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 183.25 ac-ft

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: ____ (**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.)

- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): N/A

SECTION 6: WATER MANAGEMENT

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A. Diversion and Conveyance

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

- ☒ Pump (give horsepower and type): Submersible 10hp-20hp
☐ Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. 2 Wells will be driven at locations shown on the map. Motors will be sized appropriately based on the amount of water that is discovered when drilling.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)

The plan is to use drip irrigation along with row covers.

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 (*attach additional sheets if necessary*).

Amount of water requested is more than the anticipated use in order to allow a margin of error if there is a particularly hot and dry growing season. If only a portion of the amount of water requested is available we could modify this application to request less water. Drip irrigation and row covers are planned in order to prevent waste, soil water content will also be periodically monitored to prevent over watering.

SECTION 7: PROJECT SCHEDULE

- a) Date construction will begin: Within 2 years of permit issuance
- b) Date construction will be completed: Within 5 years of permit issuance
- c) Date beneficial water use will begin: Within 5 years of permit issuance

SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- ☒ Water quality will be protected by preventing erosion and run-off of waste or chemical products.
Describe: Plan is to use a drip system so erosion will not be an issue. Water user will follow manufacturers recommendations for any chemical products used to minimize and/or eliminate any run-off of waste.
- ☒ Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.

Describe planned actions and additional permits required for project implementation: Both wells will not be placed next to the banks of any streams. Wells will be drilled on ground already developed into farming.

- ☒ Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:
List: There are not any other federal permits required that are known about, if this is brought up the applicant will work towards satisfying those conditions.

SECTION 9: WITHIN A DISTRICT

- ☐ Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name N/A	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*).

If water is not available in the quantity requested please contact the applicant, water at less than the requested rate may still be useful for the planned agricultural crops.

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

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- ☒ SECTION 1: Applicant Information and Signature
- ☒ SECTION 2: Property Ownership
- ☒ SECTION 3: Well Development
- ☒ SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- ☒ SECTION 5: Water Use
- ☒ SECTION 6: Water Management
- ☒ SECTION 7: Project Schedule
- ☒ SECTION 8: Resource Protection
- ☒ SECTION 9: Within a District
- ☒ SECTION 10: Remarks

Include the following additional items:

- ☒ Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- ☒ 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.
- ☒ Fees - Amount enclosed: \$ 2040 (note: Will pay permit recording fee at later date due to financial hardship) See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- ☒ Map that includes the following items:
 - ☒ Permanent quality and drawn in ink
 - ☒ Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - ☒ North Directional Symbol
 - ☒ Township, Range, Section, Quarter/Quarter, Tax Lots
 - ☒ Reference corner on map
 - ☒ Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - ☒ Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - ☒ Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
- N/A Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

Note: In addition to a groundwater application, a standard reservoir application is required to store groundwater in a reservoir. If an applicant proposes to divert water from a reservoir, a surface water application is also required.

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Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050. The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$260. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$410.00 for the applicant and \$810.00 for non-applicants. Protests are filed on approximately 10 percent of Proposed Final Orders. If a protest is filed the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department can issue a Final Order within 60 days of the close of the period for receiving protest. If the application is approved, a permit is issued. The permit specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503-986-0900
www.oregon.gov/OWRD

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NOTE TO APPLICANTS

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 groundwater 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.oregon.gov/OWRD

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Applicant

NAME GARY CROSSAN FARMS, LLC.				PHONE (HM)	
PHONE (WK)		CELL 541-936-0002		PHONE (WK)	
ADDRESS 34474 WEBBER DR.					
CITY SHEDD		STATE OR	CITY SHEDD	STATE OR	

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	26		400	EFU	☒ Diverted	☒ Conveyed	☒ Used	Farm
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	

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

B. Description of Proposed Use

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

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

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

Estimated quantity of water needed: 0.92 ☒ 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:

Plan is to drill 2 wells in order to irrigate 73.3 acres of land.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

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): LOC 928.310(B)(1).
- ☐ 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
	RECEIVED	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	MAR 28 2019	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	OWRD	☐ 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.

--

NAME <u>Jennifer Cepello</u>		TITLE: <u>Planner</u>
SIGNATURE <u>[Signature]</u>	PHONE: <u>541-967-3816</u>	DATE: <u>3/26/19</u>
GOVERNMENT ENTITY <u>Linn County</u>		

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: _____

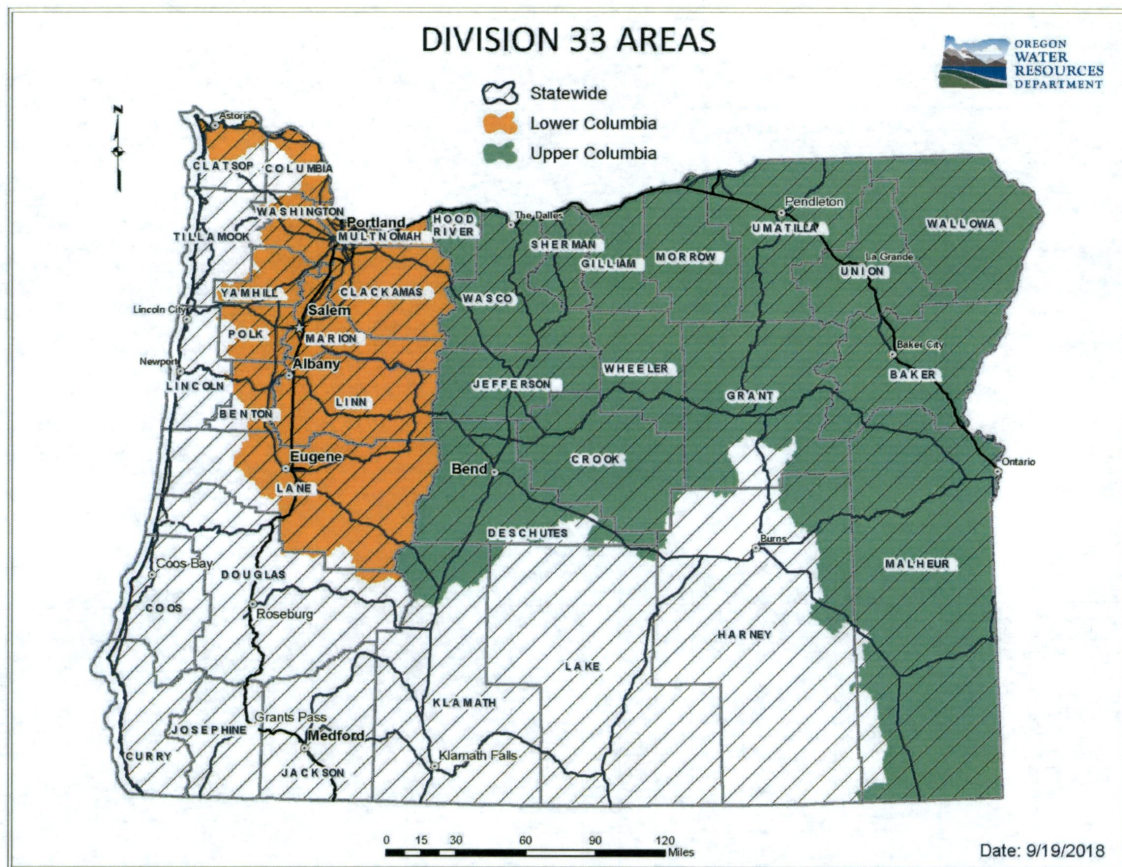
Signature: _____ Phone: _____ Date: _____

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Figure 1: Map of Division 33 Areas



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For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the Division 33 rules apply: https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

A-18807



THIS SPACE RESERVED FOR RECORDER'S USE



After recording return to:
Gary Crossan Farms, LLC
34474 Webber Drive
Shedd, OR 97377

Until a change is requested all tax statements
shall be sent to the following address:
Gary Crossan Farms, LLC
34474 Webber Drive
Shedd, OR 97377

Escrow No. 08-806988
Title No. 097176L
SWD r.020212

LINN COUNTY, OREGON 2012-20177
D-WD
Cnt=1 Str=1 COUNTER 12/28/2012 11:32:16 AM
\$10.00 \$11.00 \$15.00 \$19.00 \$10.00 \$65.00



I, Steve Druckenmiller, County Clerk for Linn
County, Oregon, certify that the instrument
identified herein was recorded in the Clerk
records.



Steve Druckenmiller - County Clerk

STATUTORY WARRANTY DEED

G-4, LLC, an Oregon Limited Liability Company,

Grantor(s), hereby convey and warrant to

Gary Crossan Farms, LLC, an Oregon Limited Liability Company,

Grantee(s), the following described real property in the County of LINN and State of Oregon free of encumbrances
except as specifically set forth herein:

Exhibit "A"

An area of land in Section 26, Township 12 South, Range 3 West, Willamette Meridian, Linn
County, Oregon described as follows:

The East half of the Southeast quarter of Section 26.

Except for the following:

An area of land in Section 26, Township 12 South, Range 3 West, Willamette Meridian, Linn
County, Oregon, described as follows:

Beginning at a 5/8" iron rod on the South right of way of Webber Drive (County Road No. 410)
bearing South 00°17'41" West 30.00 feet from the Northwest corner of the Northeast quarter of
the Southeast quarter of said Section 26; thence South 00°17'41" West, along the West line of
the East half of said Southeast quarter, 556.15 feet to a 5/8" iron rod; thence South 89°58'22"
East 404.38 feet to a 5/8" iron rod; thence along a 50.00 foot radius curve to the left 77.76 feet
(Chord of which bears North 45°28'33" West 70.15 feet) to a 5/8" iron rod; thence North
00°55'28" East 507.21 feet to a 5/8" iron rod on the South right of way of Webber Drive; thence
West, along said right of way, 459.72 feet to the point of beginning.

FOR INFORMATION PURPOSES ONLY, THE MAP/TAX ACCT #(S) ARE REFERENCED HERE:
Acct# 225207 12S-03W-26 TL#400

The true and actual consideration for this conveyance is \$255,087.00.
The above-described property is free of encumbrances except all those items of record, if any, as of the date of this
deed and those shown below, if any:

00176L/08-806988

After Recording Return To: AmeriTitle

G-18807

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BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED 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 THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

Dated this 27 day of December, 2012

G-4, LLC

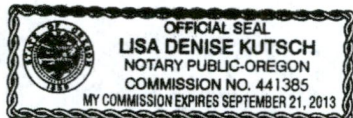
BY:

Michelle Glaser-Jackson
Michelle Glaser-Jackson, Manager

STATE OF OREGON
County of LINN

This instrument was acknowledged before me on December 27, 2012, by Michelle Glaser-Jackson as Manager of G4, LLC, an Oregon Limited Liability Company.

Lisa Denise Kutsch
Notary Public for Oregon
My Commission Expires: 9-21-13



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LINN 61451

LINN 61451

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

WELL I.D. LABEL# 119456
 START CARD # 1028218
 ORIGINAL LOG #

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MAR 28 2015

OWRD

(1) LAND OWNER

Owner Well I.D. 5581
 First Name Roger Last Name Ruckert
 Company
 Address 33776 Ridge Dr.
 City Tangent State OR Zip 97389

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion

Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Dia + From To Gauge Stil Plstc Wld Thrd
 Casing: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Material From To Amt sacks/lbs
 Seal: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Reverse Rotary ☐ Other

(4) PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Community
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ (Attach copy)

Depth of Completed Well 325 ft.

BORE HOLE			SEAL			Amt	sacks/
Dia	From	To	Material	From	To		
16	0	19	Bentonite	0	19	15	S
10	19	119				Calculated	12
8	119	325				Calculated	

How was seal placed. Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other Poured dry

Backfill placed from _____ ft. to _____ ft. Material _____

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used. ☐ Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stil	Plstc	Wld	Thrd
☒	☐	10	☒	1	119	250	☒	☐	☒	☐
☐	☐		☐				☐	☐	☐	☐
☐	☐		☐				☐	☐	☐	☐
☐	☐		☐				☐	☐	☐	☐
☐	☐		☐				☐	☐	☐	☐

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temp casing ☒ Yes Dia 16 From 0 To 19

(7) PERFORATIONS/SCREENS

Perforations Method Holte air perforator

Screens Type		Material							
Perf/S	Casing/Screen	Perf	Screen	Scrn/slot	Slot	# of	Tele/		
green	Liner	Dia	From	To	width	length	slots	pipe size	
Perf	Casing	10	72	115	.375		3,000		

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
500		100	1

Temperature 53 °F Lab analysis ☐ Yes By _____

Water quality concerns? ☐ Yes (describe below) TDS amount 223

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County LINN Twp 12 S N/S Range 3 W E/W WM

Sec 27 NW 1/4 of the NE 1/4 Tax Lot 100

Tax Map Number _____ Lot _____

Lat _____ " or _____ DMS or DD

Long _____ " or _____ DMS or DD

☒ Street address of well ☐ Nearest address

33776 Ridge Dr. - Tangent, OR 97389

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	09-22-2015			20
Flowing Artesian?	☐			
Dry Hole?	☐			

WATER BEARING ZONES

Depth water was first found 30

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
09-22-2015	30	35	10			20
09-22-2015	55	70	10			20
09-22-2015	72	110	300			20
09-22-2015	135	300	200			20

(11) WELL LOG

Ground Elevation _____

Material	From	To
Topsoil	0	2
Brown clay	2	13
Brown clay w/gravel	13	20
Blue clay	20	30
Cemented sand & gravel	30	35
Brown clay	35	55
Dirty brown sand & gravel	55	60
Cemented sand & gravel	60	70
Blue clay	70	72
Cemented sand & gravel	72	95
Black sand & gravel	75	110
Cemented sand & gravel	110	135
Black sand	135	140
Brown clay black sand	140	155
Gray clay with blue sand	155	180
Blue clay	180	190
Black sand	190	200
Gray clay with strips sand	200	210
Blue clay	210	260

Date Started 09-18-2015

Completed 09-22-2015

(unbonded) Water Well Constructor Certification

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

License Number 1888 Date 09-24-2015

Signed _____

(bonded) Water Well Constructor Certification

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

License Number 1684 Date 09-24-2015

Signed _____

Contact Info (optional) jonesdrilling@hotmail.com

ORIGINAL WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: 0.95

SALEM, OR

G-18807

LINN 61451

RECEIVED

START CARD # 1028218

ORIGINAL LOG #

MAR 28 201

9 Water Quality Concerns

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
								
								
								

Material	From	To	Amt	sacks/lbs
----------	------	----	-----	-----------

OWRD

SEAL

Dia	From	To	Material	From	To	Amt	Sacks/ lbs
-----	------	----	----------	------	----	-----	---------------

[illegible]

From	To	Material	Size
------	----	----------	------

Casing	Liner	Dia	+	From	To	Gauge	Std	Plstc	Wld	Thrd
--------	-------	-----	---	------	----	-------	-----	-------	-----	------

Perf/S	Casing/	Screen			Scrn/slot	Slot	# of	Tele/
creen	Liner	Dia	From	To	width	length	slots	pipe size

[illegible]

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

[illegible]

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

[illegible]

Material

[illegible]

Comments/Remarks

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LINN 61449

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MAR 28 2019

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

WELL I.D. LABEL# 49894

START CARD # 1028202

ORIGINAL LOG # LINN 54637

(1) LAND OWNER

Owner Well I.D. 5580

First Name Roger

Last Name Ruckert

Company

Address 33776 Ridge Rd.

City Tangent State OR Zip 97389

(2) TYPE OF WORK

☐ New Well ☒ Deepening ☐ Conversion☒ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd

Material From To Amt sacks/lbs

Seal: Dia + From To Gauge Stl Plstc Wld Thrd

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud☐ Reverse Rotary ☐ Other

(4) PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Community☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ (Attach copy)

Depth of Completed Well 180 ft.

BORE HOLE

Dia	From	To	Material	From	To	Amt	sacks/lbs
8	135	180	Undisturbed				
			Calculated				
			Calculated				

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

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: ☐ Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER

Casing	Liner	Dia	From	To	Gauge	Stl	Plstc	Wld	Thrd
☒	☐	6	0	1	250	☒	☐	☒	☐

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s)Temp casing ☐ Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method Holte air perforator

Screens Type Material

Perf	Casing	Screen	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
			10	30	110	.375	1	5,000	

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

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

80			1
----	--	--	---

Temperature 53 °F Lab analysis ☐ Yes ByWater quality concerns? ☐ Yes (describe below) TDS amount 160

From	To	Description	Amount	Units
------	----	-------------	--------	-------

(9) LOCATION OF WELL (legal description)

County LINN Twp 12 S N/S Range 3 W E/W WM

Sec 27 NW 1/4 of the NE 1/4 Tax Lot 100

Tax Map Number Lot

Lat " or DMS or DD

Long " or DMS or DD

☒ Street address of well ☐ Nearest address

33776 Ridge Rd., Tangent, OR 97389

(10) STATIC WATER LEVEL

Date	SWL(psi)	+ SWL(ft)
Existing Well / Pre-Alteration 07-17-2015		17
Completed Well		

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found original

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
09-17-2015	100	115	80		17

(11) WELL LOG

Ground Elevation

Material	From	To
Green claystone	135	140
Gray sandstone	140	180
No new water. Re-perforate well. No change.		
Cut off bent casing & weld on new piece		

Date Started 09-17-2015

Completed 09-17-2015

(unbonded) Water Well Constructor Certification

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

License Number 1888

Date 09-23-2015

Signed

(bonded) Water Well Constructor Certification

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

License Number 1684

Date 09-23-2015

Signed

Contact Info (optional) jonesdrilling@hotmail.com

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: 0.95

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