# CLAIM OF BENEFICIAL USE for Groundwater Permits claiming more than 0.1 cfs



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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A fee of \$230 must accompany this form for <u>permits</u> with priority dates of July 9, 1987, or later.

#### A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at: <a href="https://www.oregon.gov/OWRD/Forms/Pages/default.aspx">https://www.oregon.gov/OWRD/Forms/Pages/default.aspx</a>

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

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see

https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx

### SECTION 1 GENERAL INFORMATION

#### 1. File Information:

APPLICATION #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
G-13106	G-18246	T-12911

Applicant/Business Name		F	PHONE NO.		ADDITIONAL CONTACT NO.
Michael Horton	· ·		541-363-8979		
Address					
P.O. Box 530					
Сіту	ST	ATE Z	ZIP	E-MAIL	
Bonanza	OI	R S	97623		
If the current property owner assignment be filed with the	Departme	ent. <u>Each</u> permi	t holder o	of record mus	st sign this form.
3. Permit holder of record (	this may,	or may not, be	the curr	ent property	owner):
Permit Holder of Record NA					
Address					
Сіту	ST	ATE	ZIP		
Additional Permit Holder of Rec	ORD				
NA					RECEIVED
Address					0.0.000
Comp	C-		7.0		AUG 2 2 2022
CITY	31	ATE	ZIP		<b>21</b> ( ( ) )
					<b>OWRD</b>
	4.	Date of Site I	nspectio	n:	
6/28/2022					
5. Person(s) interviewed an	d doscrin	tion of their as	sociation	with the pr	niact:
3. Person(s) interviewed an	u uescrip	DATE	Sociation		ATION WITH THE PROJECT
NAME		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0		ATION WITH THE PROJECT
NAME		6/20/2022			
		6/28/2022	UW	/ner	
		6/28/2022	Ow	/ilei	
Michael Horton  6. County:		6/28/2022	Ow	mer	
Michael Horton  6. County:		6/28/2022	Ow	viiei	
Michael Horton  6. County:	-	ace of use of the	e permit		from this report, identify
Michael Horton  6. County:  Klamath  7. If any property described the owner of record for that	-	ace of use of the	e permit		from this report, identify
Michael Horton  6. County:  Klamath  7. If any property described the owner of record for that OWNER OF RECORD	-	ace of use of the	e permit		from this report, identify
Michael Horton  6. County:  Klamath  7. If any property described	-	ace of use of the	e permit		from this report, identify

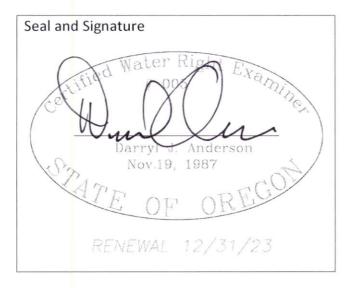
Add additional tables for owners of record as needed

#### **SECTION 2**

#### **SIGNATURES**

#### CWRE Statement, Seal and Signature

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



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CWRE NAME		PHONE NO.		ADDITIONAL CONTACT NO.
Darryl Anderson		541-947-4	1407	
Address				
17681 Highway 395				
CITY	STATE	ZIP	CITY	
Lakeview	OR	97630	Lakeview	

#### Permit Holder of Record Signature or Acknowledgement

**<u>Each</u>** permit holder of record must sign this form in the space provided below.

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

Signature	PRINT OR TYPE NAME	TITLE	DATE
Mil All	MichaelhHonton	OURER	8/18/22
9			,

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#### **SECTION 3**

#### **CLAIM DESCRIPTION**

1. Point of appropriation name or number:

Well #1		KLAM 60840	
	(CORRESPOND TO MAP)	(IF APPLICABLE)	
	(POA) NAME OR NUMBER	FOR ALL WORK PERFORMED ON THE WELL	(IF APPLICABLE)
	POINT OF APPROPRIATION	WELL LOG ID #	WELL TAG#

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

2. Point of appropriation source, if indicated on permit:

Well #1	Lost River Basin	
NAME OR NUMBER	BASIN LOCATED WITHIN	
POA	Source	TRIBUTARY

3. Developed use(s), period of use, and rate for each use:

POA Name or Number	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME  USED  (CFS, GPM, OR AF)
Well #1	Supplemental Irrigation	Pasture	April 15-October 15	0.88 cfs
Total Quantity of	Water Used			0.88 cfs

**4. Provide a general narrative description of the distribution works.** This description must trace the water system from **each** point of appropriation to the place of use:

Water is pumped from the well up a slope in a 10" pipe where it discharges into a conveyance ditch. The flow of water is regulated with a valve at the pump discharge. The water in the conveyance ditch flows to an intersection of a distribution ditch where the discharge from the primary surface water pump enters the ditch. Water is flooded into the place of use from this ditch. Water is also directed to a culvert and a pipe that crossing West Langell Valley Road and the USBR canal, and flows into another distribution ditch, which floods water into the remaining place of use.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, RECEIVED Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

5. Variations: AUG 2 2 2022

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below.

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(e.g. "The permit allowed three points of appropriation. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

NA

6. Claim Summary:

POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Well #1	0.88 cfs	0.88 cfs	2.90 – control valve open, not normal operating condition	Supplemental Irrigation	80.90	80.90

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#### **SECTION 4**

#### SYSTEM DESCRIPTION

#### Are there multiple POAs?

NO

If "YES" you will need to copy and complete a separate Section 4 for each POA.

POA Name or Number this section describes (only needed if there is more than one):

Well #1

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A. Place of Use

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1. Is the right for municipal use?

NO

If "YES" the table below may be deleted.

-	1 11 5	100	n
O	V	1	U

TWP	RNG	Mer	SEC	QQ	GLOT	DLC	USE	If Irrigation, # Primary Acres	IF IRRIGATION, # SUPPLEMENTAL ACRES
415	13E	WM	13	SW NE			irrigation		37.0
415	13E	WM	13	NE NW			irrigation		21.7
415	13E	WM	13	SE NW			irrigation		9.0
415	13E	WM	13	NE SE			irrigation		1.0
415	13E	WM	13	NW SE			irrigation		12.2
Total A	cres Irrig	ated							80.9

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLot), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLot, and QQ.

#### B. Groundwater Source Information (Well)

1. Is the appropriation from a well?

YES

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

1-1/2" access port on the west side of the well casing

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

CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF	COMPLETION DATES OF	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
			ORIGINAL WELL	ALTERATIONS		
16"	199	272	12/7/2020	NA	Michael Horton	Colter Chancellor

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

Well Log KLAM 6080

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C. Groundwater Source Information (Sump)

1. Is the appropriation from a dug well (sump)?

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NO

#### D. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport <u>and</u> apply the water from the point of appropriation to the place of use.

1. Is a pump used?

YES

If "NO" items 2 through item 6 may be deleted.

2. Pump Information:

Manufacturer	Model	SERIAL NUMBER	Type (centrifugal, turbine or submersible)	INTAKE SIZE	DISCHARGE SIZE
Goulds Water	12CHC	M63857	Turbine	8"	10"

#### 3. Motor Information:

Manufacturer	Horsepower
Nidec Motor Corporation	50 hp

4. Theoretical Pump Capacity:

Horsepower	OPERATING PSI	*IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
50	29.12	160	20.80'	0.88

5.	Provide	amua	calcu	lations:
٠.	1 1 O VIGE	Pallip	cuico	ila ti Oilo

See	Attached	

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
1300 gpm (flow control valve open)	NA	Instant reading	2.90 cfs

Reminder: For pump calculations use the reference information at the end of this document.

#### 7. Is the distribution system piped?

YES

If "NO" items 8 through item 13 may be deleted.

#### 8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	Buried or Above Ground
10"	138'	aluminum	Above ground

#### 9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	Type of Pipe	Buried or Above Ground
NA			

#### 10. Sprinkler Information:

Size	OPERATING	SPRINKLER	TOTAL NUMBER	MAXIMUM	TOTAL SPRINKLER OUTPUT
	PSI	Оитрит	OF SPRINKLERS	Number Used	(CFS)
		(GPM)			
NA					

Reminder: For sprinkler output determination use the reference information at the end of this document.

#### 11. Drip Emitter Information:

SIZE	OPERATING	EMITTER	TOTAL NUMBER	MAXIMUM	TOTAL EMITTER OUTPUT
	PSI	Оитрит (GPM)	OF EMITTERS	Number Used	(CFS)
NA					

#### 12. Drip Tape Information:

DRIPPER	GPM PER	TOTAL	MAXIMUM	TOTAL TAPE	Additional Information
SPACING IN	100 FEET	LENGTH OF	LENGTH OF TAPE	Оитрит	
INCHES		TAPE	USED	(CFS)	
NA					

#### 13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED	OPERATING	TOTAL PIVOT	TOTAL PIVOT
	RADIUS	PSI	Оитрит (дрм)	OUTPUT (CFS)
NA				

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#### E. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

NO

F. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

NO

G. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

YES

2. Complete the table:

CANAL OR DITCH TYPE (MATERIAL)	TOP WIDTH OF CANAL OR DITCH	BOTTOM WIDTH OF CANAL OR DITCH	<b>D</b> ЕРТН	"N" FACTOR	AMOUNT OF FALL	LENGTH OF CANAL / DITCH	SLOPE	COMPUTED RATE (IN CFS)
Dirt	5.8'	2.6'	2.1'	0.035	10.3'	2097'	0.005	26.05
Dirt, Stone	10.5'	2.2'	1.1'	0.050	1.9'	2093'	0.001	3.88

#### 3. Provide calculations:

See Attached

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER
	Measurement	The second of the second	(IN CFS)
NA			

Attach measurement notes.

#### H. Additional notes or comments related to the system:

Flow is regulated by a valve at the pump discharge. At the time of inspection, the valve was open and the flow was measured above the permitted rate. The valve would be closed down to meet permitted rates under normal operating conditions.

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#### **SECTION 5**

#### CONDITIONS

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

#### 1. Time Limits:

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

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	7/23/2019		
BEGIN CONSTRUCTION (A)	1/18/1997	12/7/2020	Well drilled
COMPLETE CONSTRUCTION (B) 10/1/2021		August 2021	Flow meter installed
COMPLETE APPLICATION OF WATER (C)	10/1/2021	August 2021	Water used

<sup>\*</sup> MUST BE WITHIN PERIOD BETWEEN PERMIT, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2.	Is t	here	an	extension	final	order	S	)?

YES

a. Did the Extension Final Order require the submittal of Progress Reports?

YES

b. Were the Progress Reports submitted?

YES

#### 3. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement?

YES

If "NO", items b through d relating to this section may be deleted.

b. What month was the initial measurement to be taken in?

March/	September
--------	-----------

c. Was the measurement submitted to the Department?

YES

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT
NA			

#### 4. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements?

YES

If "NO", items b through e relating to this section may be deleted.

b. Provide the month, or months, the static water level measurement(s) were to be made:

March/September

c. Were the static water level measurements taken in the month(s) required?

d. If "YES", were those measurements submitted to the Department?

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

DATE OF MEASUREMENT	MEASUREMENT MADE BY	Метнор	MEASUREMENT
NA			

#### 5. Pump Test:

a. Did the permit require the submittal of a pump test?

YES

YES

Ground water permits with priority dates on or after **December 20, 1988**, require the submittal of a pump test prior to issuance of a certificate. In some cases, the permit holder may qualify for a multiple well exemption or an unreasonable burden exemption.

For additional information regarding pump tests see:

https://www.oregon.gov/OWRD/programs/GWWL/GW/Pages/PumpTestProgram.aspx

b. Has the pump test been previously submitted to the Department?

c. Is the pump test attached to this claim?

d. Has the pump test been approved by the Department?

e. Has a pump test exemption been approved by the Department?

\*\* Claims will not be reviewed until a numer test or exemption has been approved by the Department

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\*\* Claims will not be reviewed until a pump test or exemption has been approved by the Department

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#### 6. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device?

YES

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

b. Has a meter been installed?

YES

YES

#### c. Meter Information

POD/POA Name or #	MANUFACTURER	SERIAL#	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well #1	McCrometer	21- 02992-	Working	230 084 acre-feet x .001	August 2021
		10			

#### 7. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department?

b. Have the reports been submitted?

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

#### 8. Other conditions required by permit, permit amendment final order, or extension final order:

a. Were there special well construction standards?

b. Was submittal of a ground water monitoring plan required?

c. Was submittal of a water management and conservation plan required?

d. Was a Well Identification Number (Well ID tag) assigned and attached YES

to the well?

WELL ID#	DATE ATTACHED TO WELL	
L139758	Dec 2020	

e. Other conditions?

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

NA

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**SECTION 6** 

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**ATTACHMENTS** 

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Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION		
COBU Map	Claim map		
Photos	Site photos		
Well Log	Well logs for Wells #1		
Worksheet for Pressure Pipe – Well #1	Pressure pipe calculations for Well 1 to ditch discharge		
Pump Calculations – Well #1	Theoretical pump capacities for Well 1		
Worksheet for Trapezoidal Canal  - Conveyance Ditch	Flow calculations for ditch from well to distribution ditch		
Worksheet for Trapezoidal Canal  – Distribution Ditch	Flow calculations for ditches used for direct flooding		
Pump Test	Cover and data sheets for the pump test completed as a part of this claim		

#### **SECTION 7**

#### CLAIM OF BENEFICIAL USE MAP

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

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the

basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

Survey performed with Real Time GPS – Corner tie is a aluminum cap at a 10' east offset of the north ¼ of Section 13, Township 41 South, Range 13 East, of the Willamette Meridian.

#### **Map Checklist**

Please be sure that the map you submit includes ALL the items listed below. (Reminder: Incomplete maps and/or claims may be returned.)

$\boxtimes$	Map on polyester film	
	Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-sassessor map)	ize scale of the county
$\boxtimes$	Township, Range, Section, Donation Land Claims, and Government L	.ots
	If irrigation, number of acres irrigated within each projected Donatic Government Lots, Quarter-Quarters	on Land Claims,
$\boxtimes$	Locations of fish screens and/or fish by-pass devices in relationship t	to point of diversion
$\boxtimes$	Locations of meters and/or measuring devices in relationship to poil appropriation	nt of diversion or
$\boxtimes$	Conveyance structures illustrated (pumps, reservoirs, pipelines, ditc	hes, etc.)
$\boxtimes$	Point(s) of diversion or appropriation (illustrated and coordinates)	
$\boxtimes$	Tax lot boundaries and numbers	
$\boxtimes$	Source illustrated if surface water	
	Disclaimer ("This map is not intended to provide legal dimensions or ownership lines")	locations of property
$\boxtimes$	Application and permit number or transfer number	
$\boxtimes$	North arrow	
$\boxtimes$	Legend	RECEIVED
$\boxtimes$	CWRE stamp and signature	AUG 2 2 2022
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#### WELL I.D. LABEL# L 139758 STATE OF OREGON KLAM 60840 START CARD# WATER SUPPLY WELL REPORT 1050000 (as required by ORS 537.765 & OAR 690-205-0210) 12/12/2020 ORIGINAL LOG# (1) LAND OWNER Owner Well I.D. First Name MICHAEL Last Name HORTON (9) LOCATION OF WELL (legal description) Company County KLAMATH Twp 41.00 S N/S Range 13.00 E E/W WM Address P.O. BOX530 Sec 13 NW 1/4 of the SE 1/4 Tax Lot 2800 City BONANZA Zip 97623 Tax Map Number X New Well (2) TYPE OF WORK Deepening or 42.01150444 DMS or DD Alteration (complete 2a & 10) Abandonment(complete 5a) " or \_-121.23969193 DMS or DD (2a) PRE-ALTERATION Street address of well Nearest address Stl Plstc Wld Thrd Gauge Casing: NEAR - 23411 WEST LANGELL VELLEY RD. From Amt sacks/lbs Seal: (3) DRILL METHOD (10) STATIC WATER LEVEL X Rotary Air Rotary Mud Cable Auger Cable Mud SWL(ft) Existing Well / Pre-Alteration Reverse Rotary Other Completed Well 12/7/2020 Domestic X Irrigation (4) PROPOSED USE Flowing Artesian? Dry Hole? Industrial/ Commericial Livestock Dewatering WATER BEARING ZONES Depth water was first found 120.00 Thermal Injection Other SWL Date From Est Flow SWL(psi) + SWL(ft) (5) BORE HOLE CONSTRUCTION Special Standard 11/17/2020 120 190 500 Depth of Completed Well 227.00 12/2/2020 272 5000 42 BORE HOLE SEAL Material From Amt lbs 24 199 0 Bentonite Chips 69 114 S Calculated 12.25 199 272 114 199 147 (11) WELL LOG Calculated 145 Ground Elevation How was seal placed: Method XC From Material To X Other POUR DRY&HYDRATED TOP SOIL Backfill placed from \_ \_\_ ft. to ft. Material BROWN CLAYSTONE & COBBLES 5 **BROWN CLAYSTONE** 23 Filter pack from ft. to ft. Material BROWN BASALT W/ CLAYSTONE 50 Explosives used: Yes Type\_ Amount GREY BASALT W/ BLUE CLAYSTONE 50 90 (5a) ABANDONMENT USING UNHYDRATED BENTONITE BLUE CLAYSTONE 90 120 Proposed Amount Actual Amount BLACK SANDSTONE 120 162 **BROWN SANDSTONE** 190 (6) CASING/LINER GREY & BROWN HARD BASALT W/B 190 260 Casing Dia Liner From To Gauge Plstc GREY & BROWN BASALT FRACTURED W/B × X 199 .250 . RECLIVED AUG 2 2 2022 Inside Outside Other Location of shoe(s) Temp casing Yes Dia From (7) PERFORATIONS/SCREENS Perforations Method\_ Screens Type \_\_ Date Started 11/16/2020 Completed 12/7/2020 Perf/ Casing/ Screen Scrn/slot Slot Tele (unbonded) Water Well Constructor Certification To Screen Liner Dia From slots length pipe size 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 Date (8) WELL TESTS: Minimum testing time is 1 hour Signed O Bailer Flowing Artesian Pump Air (bonded) Water Well Constructor Certification Drawdown Drill stem/Pump depth Duration (hr) Yield gal/min 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. °F Lab analysis Yes By Temperature 69 License Number 1844 Water quality concerns? Yes (describe below) TDS amount 142 Date 12/12/2020 Description

Page 1 of 2

Signed COLTER CHANCELLOR (E-filed)
Contact Info (optional) Chancellor Drilling & Pump

Map of Hole

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#### STATE OF OREGON WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT.

#### Oregon Water Resources Department

725 Summer St NE, Salem OR 97301 (503)986-0900



LOCATION OF WELL

Latitude: 42.01150444 Datum: WGS84

Longitude: -121.23969193

Township/Range/Section/Quarter-Quarter Section:

WM41.00S13.00E13NWSE

Address of Well:

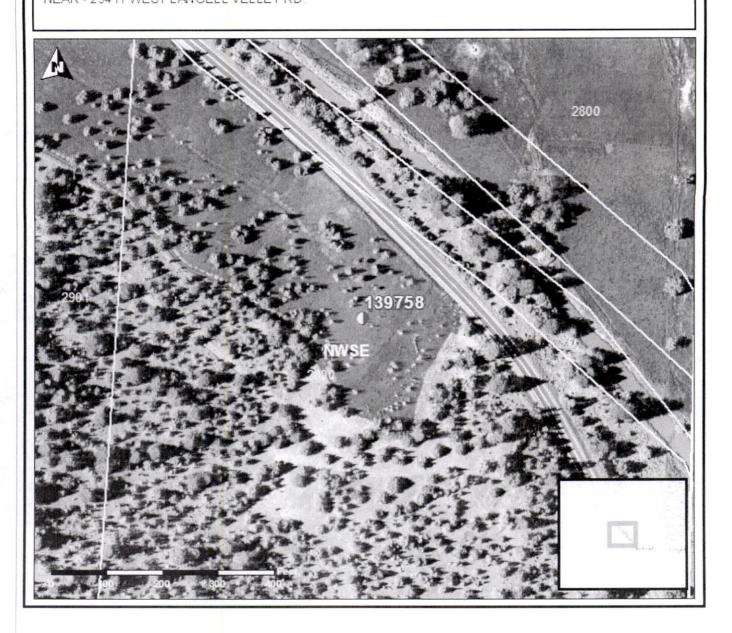
NEAR - 23411 WEST LANGELL VELLEY RD

Well Label: 139758

Printed: December 12, 2020

DISCLAIMER: This map is intended to represent the approximate loos fon the well. It is not intended to be construed as survey accurate in any manner.

Provided by well constructor



Worksheet	for Pressure	Pipe	- Well
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	Worksheet for Pressure	т.ро п	
Project Description			
Friction Method	Hazen-Williams Formula		
Solve For	Pressure at 1		
Input Data			
Pressure 2	20.00	psi	
Elevation 1	4189.95	ft	
Elevation 2	4210.74	ft	
Length	138.00	ft	
Roughness Coefficient	100.000		
Diameter	0.83	ft	
Discharge	0.88	ft³/s	
Results			
Pressure 1	29.12	psi	
Headloss	0.25	ft	
Energy Grade 1	4257.17	ft	
Energy Grade 2	4256.91	ft	
Hydraulic Grade 1	4257.12	ft	RECEIVED
Hydraulic Grade 2	4256.87	ft	
Flow Area	0.54	ft²	AUG 2 2 2022
Wetted Perimeter	2.61	ft	
Velocity	1.63	ft/s	OWRD
Velocity Head	0.04	ft	
Friction Slope	0.00183	B ft/ft	

#### Theoretical Pump Capacity

#### Horton G-18246 Well #1

Flow

0.88 CFS

Head

29.12 PSI see calculations on loss

LIFT

160 Feet

Efficency

75% Turbine Pump

HP

30.2 OK 50 HP

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Works	heet for Trapezoic	dal Chan	nel - Cor	nveyance
Project Description				
Friction Method	Manning Formula			
Solve For	Discharge			
Input Data				
Roughness Coefficient		0.035		
Channel Slope		0.00500	ft/ft	
Normal Depth		2.00	ft	
Left Side Slope		0.76	ft/ft (H:V)	
Right Side Slope		0.76	ft/ft (H:V)	
Bottom Width		2.60	ft	
Results				
Discharge		26.05	ft³/s	
Flow Area		8.24	ft²	
Wetted Perimeter		7.62	ft	
Hydraulic Radius		1.08	ft	
Top Width		5.64	ft	DECEMEN
Critical Depth		1.28	ft	RECEIVED
Critical Slope		0.02474	ft/ft	AUG 2 2 2022
Velocity		3.16	ft/s	AUG 2 2 2022
Velocity Head		0.16	ft	010 500 -
Specific Energy		2.16	ft	OWRD
Froude Number		0.46		
Flow Type	Subcritical			
	Capanition.			
GVF Input Data				
Downstream Depth		0.00	ft	
Length		0.00	ft	
Number Of Steps		0		
GVF Output Data				
Upstream Depth		0.00	ft	
Profile Description				
Profile Headloss		0.00	ft	
Downstream Velocity		Infinity	ft/s	
Upstream Velocity		Infinity	ft/s	
Normal Depth		2.00		
Critical Depth		1.28		
Channel Slope		0.00500		
Chamilei Siope		2.2220	7.70.07	

#### **Worksheet for Trapezoidal Channel - Conveyance**

**GVF Output Data** 

Critical Slope

0.02474 ft/ft

AUG 2 2 2022

OWRD

Works	sheet for Trapezo	dal Char	nel - Dis	tribution
Project Description				
Friction Method	Manning Formula			
Solve For	Discharge			
Input Data				
Roughness Coefficient		0.050		
Channel Slope		0.00100	ft/ft	
Normal Depth		1.00	ft	
Left Side Slope		4.21	ft/ft (H:V)	
Right Side Slope		3.00	ft/ft (H:V)	
Bottom Width		2.20	ft	
Results				
Discharge		3.88	ft³/s	
Flow Area		5.81	ft²	
Wetted Perimeter		9.69	ft	
Hydraulic Radius		0.60	ft	
Top Width		9.41	ft	RECEIVED
Critical Depth		0.37	ft	AUG 2 2 2022
Critical Slope		0.05799	ft/ft	AUG Z Z ZUZZ
Velocity		0.67	ft/s	
Velocity Head		0.01	ft	OWRD
Specific Energy		1.01	ft	
Froude Number		0.15		
Flow Type	Subcritical			
GVF Input Data				
Downstream Depth		0.00	ft	
Length		0.00	ft	
Number Of Steps		0		
GVF Output Data				
Upstream Depth		0.00	ft	
Profile Description				
Profile Headloss		0.00	ft	
Downstream Velocity		Infinity	ft/s	
Upstream Velocity		Infinity	ft/s	
Normal Depth		1.00	ft	
Critical Depth		0.37	ft	
Channel Slope		0.00100	ft/ft	
Chamile Slope		3.00.00	16.16	

#### **Worksheet for Trapezoidal Channel - Distribution**

#### **GVF Output Data**

Critical Slope

0.05799 ft/ft

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Job: 2021-001 Date: 6/28/2022



Well #1



Well #1 Access Port



Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



**Flowmeter** 



**Flowmeter** 



Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



Well Tag



Well & Flowmeter

AUG 2 2 2022 OWRD



Anderson Engineering & Surveying, Inc. P.O. Box 28 17681 Hwy 395 Lakeview, Oregon 97630

Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



Piping from Well to Ditch



Pump Discharge at Ditch

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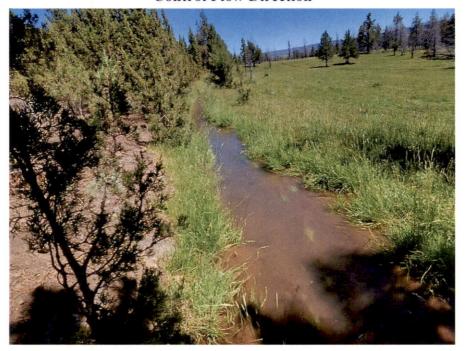
Anderson Engineering & Surveying, Inc. P.O. Box 28 17681 Hwy 395 Lakeview, Oregon 97630

Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



Distribution Ditch – Pipe from Surface Water, Headgates to Control Flow Direction

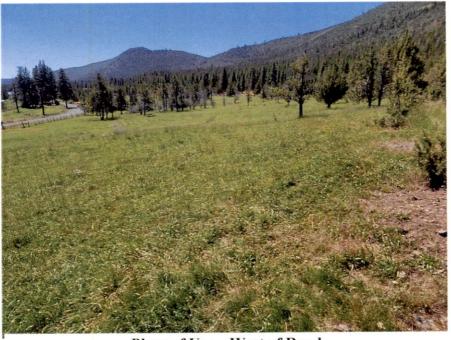


**Distribution Ditch** 

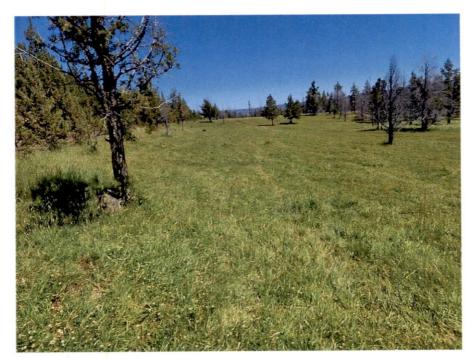


Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



Place of Use - West of Road



Place of Use - West of Road



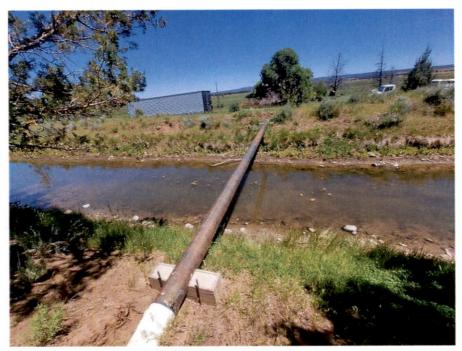
Anderson Engineering & Surveying, Inc. P.O. Box 28 17681 Hwy 395 Lakeview, Oregon 97630

Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



Pipe From Canal for Primary Surface Water



**USBR Canal Crossing** 



Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



**Road Crossing** 



Place of Use



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Inspection Photographs Permit G-18246

Job: 2021-001 Date: 6/28/2022



**Distribution Ditch** 



**Distribution Ditch** 



## OREGON WATER RESOURCES DEPARTMENT

#### RECEIVED

#### AUG 2 2 2022

#### PUMP TEST FORM COVER SHEET

	Inform										
	NAME/B Horton	USINESS	S NAME:				PHONE N 541-363-		ADDITION	AL CON	таст <b>N</b> o.:
ADDRE	ss: P.O. l	Bo 530									
CITY: B	onanza				STATE: OR	<b>Z</b> IP: 97623		E-MAIL:			
ump	Test Co	nduct	ed By (If I	Differer	nt From Ow	ner):					
	EST CONDUCTED BY NAME: cole Braudy				QUALIFICA (SELECT)			_	LICENSE G-2739	#:	
OMPA		ering &	PHONE No.: 541-947-4407				ADDITION	AL CON	таст <b>N</b> o.:		
DDRE	ss: 1768	1 HWY 3	195								
CITY: La	akeview				STATE: OR	<b>ZIP:</b> 97630		E-MAIL: nicoleb@	andersonen	gineering	g.com
ested	Well In	forma	tion (plea	se atta	ch well log	(s) if availab	ole):				
VELL L	og#	_	TAG#		NAME OR #	WELL DEP	тн С	ORIGINAL OWNER	DATE DR	ILLED	TEST DATE
KLAN	1 60840	L- 13	9758		Well #1	272		Michael Horton	12/7/20	)20	8/5/2022
ONTINU	IED)					_					
TWP	RNG	SEC	QQ			SURVEYED LO		. 5)	(Ex: 44.944		LONGITUDE (Ex: -123.0278700)
x: 25S)	(Ex: 31E)	(Ex: 12)	(Ex: SE/SW)		(Ex: 1	100 ft N & 735 ft E ft	r SE cor, sec	. 3]	(EA. 11.011	, 0000	120.02.0.0
uthor	13E water i	13 rights urce o	NW/SE	you ar	r south and 65	5.75' east of No	Please	rner of Section 13 indicate if the to so need to fill c	40.3113	2222 I is list	121.23935278 ted as an
41S st all uthor cemp	13E water i	13 rights urce o WE) re	NW/SE for which f water or	you ar	e submittin water right.	5.75' east of No	Please may als	rner of Section 13	40.3113 tested well out a multi	l is list	121.23935278 ted as an
st all uthor cemp	water in ized so tion (M)	13 rights urce o WE) re	for which of water or equest for	you ar n each m. Permi	r' south and 65 re submittin water right.	5.75' east of No ng this test. . If not, you TRANSF	Please may als	indicate if the too need to fill c	40.3113 tested well out a multi	Is Ist ple we	121.23935278  ted as an  HE TESTED WELL AN IZED POA ON THIS RIC
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How far from the pumped well was water discharged? 140



#### **PUMP TEST FORM COVER SHEET**

Water-Level Measurement Met Length of air line (if used):* *Airline measurements must be v	hod: Electric Ta	ape 🔽	*Verify here:	∫ Airline:		psi	feet.
Length of air line (if used):			voiny noro.	E-Tape:	500		feet.
*Airline measurements must be	verified by an E	-Tape measur	ement				
Pressure transducer (if used):				Pump Typ	e: Turbine		▼
Manufacturer: Date Last Calibrated:	_ Seriai #.' _	I Inite:		HP: 50	Pur	mp set at: 0	feet.
Date Last Calibrated:	d. Classication	_ Offics			dle time: two		
Discharge Measurement Metho	od: Flowmeter		r	10 100 100 P. C. C. C.			
Flowmeter (if used):  Manufacturer: McCrometer	Serial	#· 21-02992				or at least 16 ho	ours prior to the m our web site at:
Date Last Calibrated:		Units: GPM				OWRD/Forms/Pages	
Measuring Point (MP): Measuring				4 foot			
					ha wallhaad		
Description (e.g., top port of 1	inch port pipe	, west side)	1/2 inch port o	n the Sw or t	ne weimeau		
Time pump turned on: Date 8/5	/2022	Time 1	0:20				RECEIVE
Time pump turned off: Date 8/5	5/2022	Time 1	4:20				- Com Co Im ( V L
Time pump turned on: Date 8/5 Time pump turned off: Date 8/5 Total pumping time: 4		hours (	0 n	ninutes.			AUG 2 2 202
Remember, your pump test ma					ng criteria*	:	AUG 2 2 202
							-
The discharge rate was The pump was on durin	neid constant	impling phase	(> 4 hours)	1.			OWRD
The discharge was mea	asured at the s	start of pumpin	ng and at lea	ast once e	very hour d	uring the test	t.
Water levels were meas	sured to an ac	curacy of 0.1 f	feet or 0.5 p	percent.			
Pre-test static water lev	els were meas	sured at least	three times	in the hou	r before pu	mping begar	at no less
than 20 minutes apart.							
✓ Water levels were meas	sured at the sp	pecified interva	als during th	ne pumping	g phase of t	he test for at	least four
_ hours (≤2 min for the fir	st 10 minutes,	≤5 min for 10	) – 30 minut	es, and ≤1	5 min for th	e remainder	of the test)
Water levels were meas	sured at the sp	pecified interva	als (see abo	ove) during	tne recove	ery phase of t	the test for four
hours or until 90 percen	t of the maxim	num drawdowr	nas recovi	erea. oo and tha	donth to w	ator was > 30	n feet
The pump test cover sh	surements wer	lotaly filled out	t and signer	pe and the	depth to wa	ater was = oc	00 1001.
The pumping rate was	as close as re	asonably noss	sible to the	anticipated	d) pumpina	rate during r	normal use of
the well.	as close as re-	asonasi, pood	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, carrier parte	-,	3	
The well was idle for at	least 16 hours	s prior to the te	est.				
The numn test was com	noleted by an	acceptably qu	alified perso	on (Oregor	licensed w	vater well cor	nstructors;
Oregon registered profe	essional geolog	gists or certifie	ed engineer	ing geologi	ists; certifie	d water right	s examiners;
Oregon registered profe	essional engine	eers; and indiv	viduals who	se primary	occupation	i involves, wi	nolly or in
significant part, pump in						5	
*This checklist is intended for reserves all authority pertain	ing to the imple	ementation of the	e rules unde	r OAR 690-2	217.		
Pump tests are intended to provisolve well problems (OAR 690-2	de aquifer and 17-0015(9)).	d well informati	ion for grou	nd water re	esource cha	aracterization	and to help
Pump test requirements for OAR	690-217 can be	found online	at:				
https://secure.sos.state.or.us/oarscp4Hfil-1ftsDAAEsMC2_ROSs!	d/displayDivision	nRules.action;J	JSESSIONID	OARD=1B	BdwLynsYAP	NSQtW330Zj:	SFZuM
Submit forms to: At	tn: Certificates	s Section, Oreg r St NE Suite A	gon Water R ., Salem, OR	esources D 97301	Department		
Forms may additionally be sent to	WRD_DL_pui	mptestsupport	@oregon.go	ov			
I hereby certify that this test ha	as been cond	lucted in acco	ordance wi	th OAR 69	90-217:		
OPERATOR SIGNATURE:	10	lu	25	DATE:	8/12/2	7	
OWNER SIGNATURE;	al A	Al.		DATE:	2/18/	22	
ditional forms can be found at: http	ps://www.orego	n.gov/owrd/For	ms/Pages/de	efault.aspx.		O	WRD 2020011



#### PUMP TEST FORM DATA SHEET

Page 1 of 2

WELL LOG # (EX: MARI 99999)	WELL TAG # (EX: L-999999)	WELL NAME OR #	WELL DEPTH	ORIGINAL OWNER	DATE DRILLED	TEST DATE
KLAM 60840	L- 139758	Well #1	272	Michael Horton	12/7/2020	8/5/2022

Date	Time	Time Since Pumping Started (min)	Depth to Water Below MP	Discharge Rate (gpm, cfs,	Phase (Pre- Test, Pumping, Recovery)	Airline or Shut-in Pressure (psi)	Flowmeter Reading (if available)	Comments
8/5/2022	9:40	0	54.72	0	Pre-test		326081	
8/5/2022	10:00	0	54.72	0	Pre-test		326081	
8/5/2022	10:20	0	54.72	0	Pre-test		326081	
8/5/2022	10:22	2	56.38	1200	Pumping 💌		326086	
8/5/2022	10:24	4	56.71	1300	Pumping 💌		326092	
8/5/2022	10:26	6	56.84	1250	Pumping 💌		326099	
8/5/2022	10:28	8	56.88	1250	Pumping 💌		326105	
8/5/2022	10:30	10	56.92	1250	Pumping 💌		326113	
8/5/2022	10:35	15	57.04	1250	Pumping 💌		326130	
8/5/2022	10:40	20	57.13	1250	Pumping 💌		326147	
8/5/2022	10:45	25	57.21	1250	Pumping 🔽		326167	
8/5/2022	10:50	30	57.28	1250	Pumping 💌		326184	
8/5/2022	11:05	45	58.13	1250	Pumping 💌		326247	
8/5/2022	11:20	60	58.19	1250	Pumping 💌		326304	
8/5/2022	11:35	75	58.26	1250	Pumping 💌		326360	
8/5/2022	11:50	90	58.31	1250	Pumping 💌		326418	
8/5/2022	12:05	105	58.37	1250	Pumping 💌		326476	
8/5/2022	12:20	120	58.39	1250	Pumping 💌		326531	DECEN
8/5/2022	12:35	135	58.44	1250	Pumping 💌		326593	RECEIV
8/5/2022	12:50	150	58.48	1250	Pumping 💌		326655	
8/5/2022	13:05	165	58.49	1250	Pumping 💌		326709	AUG 222
8/5/2022	13:20	180	58.50	1250	Pumping 💌		326761	
8/5/2022	13:35	195	58.53	1250	Pumping 🔽		326821	OWR
8/5/2022	13:50	210	58.55	1250	Pumping 💌		326875	
8/5/2022	14:05	225	58.56	1250	Pumping 💌		326938	
8/5/2022	14:20	240	58.58	1250	Pumping 💌		326993	
8/5/2022	14:22	242	56.94	0	Recovery 💌		326993	
8/5/2022	14:24	244	56.32	0	Recovery 💌		326993	
8/5/2022	14:26	246	56.14	0	Recovery 💌		326993	
8/5/2022	14:28	248	55.97	0	Recovery 💌		326993	
8/5/2022	14:30	250	55.69	0	Recovery 💌		326993	
8/5/2022	14:35	255	55.33	0	Recovery 💌		326993	
8/5/2022	14:40	260	55.25	0	Recovery 💌		326993	
8/5/2022	14:45	265	55.10	0	Recovery 💌		326993	
8/5/2022	14:50	270	55.07	0	Recovery 💌		326993	
8/5/2022	15:05	285	55.03	0	Recovery 💌		326993	
8/5/2022	15:20	300	54.95	0	Recovery 💌		326993	
8/5/2022	15:35	315	54.91	0	Recovery 💌		326993	
8/5/2022	15:50	330	54.88	0	Recovery 💌		326993	

#### STATE OF OREGON

#### COUNTY OF KLAMATH

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

MICHAEL HORTON PO BOX 530 BONANZA, OR 97623

This superseding permit is issued to describe an amendment for a change in point of appropriation proposed under Permit Amendment Application T-12911 and approved by Special Order Vol. 113, Page 101, entered July 23, 2019, and to describe an extension of time for complete application of water approved May 6, 2015, and a partial assignment and issuance of a superseding permit approved October 9, 2017. This permit supersedes Permit G-17859.

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

APPLICATION FILE NUMBER: G-13106

RECEIVED

SOURCE OF WATER: WELL #1 IN THE LOST RIVER BASIN

AUG 2 2 2022

PURPOSE OR USE: SUPPLEMENTAL IRRIGATION OF 80.9 ACRES

OWRD

RATE OF USE: 0.88 CUBIC FOOT PER SECOND

PERIOD OF ALLOWED USE: APRIL 15 THROUGH OCTOBER 15

DATE OF PRIORITY: SEPTEMBER 8, 1992

#### POINT OF DIVERSION LOCATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
41 S	13 E	WM	13	NW SE	WELL #1 – 3352.70 FEET SOUTH AND 655.75 FEET EAST FROM THE N1/4 CORNER OF SECTION 13

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

Twp	Rng	Mer	Sec	Q-Q	Acres
41 S	13 E	WM	13	SW NE	37.0
41 S	13 E	WM	13	NENW	21.7
41 S	13 L	WM	13	SE NW	9.0
41 S	13 E	WM	1.3	NE SE	
41 S	13 E	WM	13	NH SI	12.2
				Total	8(1.9)

#### Permit Amendment T-12911 Conditions:

The quantity of water diverted at the new point of appropriation (Well #1), shall not exceed the quantity of water lawfully available at the original point of appropriation (Well).

Water use measurement conditions:

- a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device, at each new point of appropriation.
- b. The water user shall maintain the meters or measuring devices in good working order.
- c. The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

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

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#### Extension of Time Conditions:

Checkpoint Condition

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The permit holder must submit a completed Progress Report Form to the Department by October 1, 2020.

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

#### **Existing Permit Conditions:**

The use of water under this permit may expire or be extended five years from issuance of the permit. A water right certificate shall be issued at the end of the five year period if the Director finds:

- A. River stage or Bonanza Big Spring flows are not significantly diminished by use of water under this permit as determined by the Oregon Water Resources Department, in consultation with the Bureau of Reclamation and Oregon Department of Fish and Wildlife, using quantifiable groundwater and hydrologic science that stands up to peer review:
- B. Within two years of permit issuance for primary use, the permittee/appropriator has

submitted a plan to the Department indicating potential economical sources for an alternative long-term water supply;

- C. Periodic water level reports have been submitted; and
- D. Excessively declining ground water levels have not occurred due to well use as determined by the Oregon Water Resource Department, in consultation with the Bureau of Reclamation and Oregon Department of Fish and Wildlife, using quantifiable groundwater and hydrologic science that stands up to peer review.

The amount of water used for irrigation under this right, together with the amount used under any other right existing for the same land, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

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 by April 15, or more frequently as may be required by the Director. 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 device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.

The well 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.

A static water level measurement shall be made and submitted before any use of water may commence from the well.

The permittee shall obtain a static water-level measurement for each well during March and September of each year and report the measurements to the Department. The measurement shall be made by a certified water rights examiner, registered geologist, licensed land surveyor, or registered professional engineer. licensed water well constructors, licensed water well drillers or the permittee/appropriators. Water levels shall be reported as depth-to-water below ground level in feet and inches or to one-hundredth of a foot and shall be accompanied by supporting calculations. The water user shall report the static water level(s) in the well(s) to the Groundwater/Hydrology Section of the Water Resources Department by April 15 and November 15, respectively, of each year.

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If substantial interference with a senior surface or ground water right occurs due to withdrawal of water from the well(s) listed on this permit, then use of water from such well(s) shall be discontinued or reduced or the schedule of withdrawal shall be regulated until the Department approves or implements an alternative administrative action to mitigate such interference.

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.

The permit is for the beneficial use of water without waste.

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

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

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.

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.

Actual construction work was to begin on or before January 18, 1997 and was to be completed on or before October 1, 1997. Complete application of the water to the use was to be made on or before October 1, 2000. By Extension of Time Final Order dated May 6, 2016, complete application of the water to the use is to be made on or before October 1, 2021.

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Signed

Lisa J. Jaramillo, Fransfer and Conservation Section Manager, for

THOMAS M. BYLER, DIRECTOR Oregon Water Resources Department