To:

Department of Ecology, for the State of Washington, (DOE)

Attn: Kelsey Collins, Director of Emergency Drought Assistance

1250 West Alder Street Union Gap, WA 98903-00096

From:

Eric Weinheimer

Agricultural Consultant

2220 SLI Road

Sunnyside, WA 98944

Date:

May 22, 2024

Phone: (509) 845-4389

Re:

Application for Season Change/Transfer of a Water Right.

Greetings Ms. Collins:

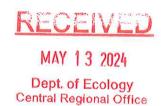
Attached is an Application for Seasonal Change/Transfer of a Water Right. As we discussed an Emergency Drought Declaration was declared on April 16, 2024 by Washington State Governor, Jay Inslee. As of yesterday, the Roza Irrigation District sent a Roza Shutdown Notification to all of its growers, effective May 22, 2024. The Shutdown is anticipated to last for approximately 10 days. The United States Bureau of Reclamation has officially listed the water supply forecast at 54% for the 2024 irrigation season. The long-term weather forecast is above normal temperatures and below normal precipitation which will most likely lower the water supply forecast.

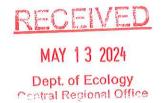
As we discussed, the attached Application for Seasonal Change/Transfer is to change the "Point of Diversion/Withdrawal" and the "Place of Use" from a well that is 1,410 deep located in the Zillah area, owned by Marty and Joanne Estes; to a well that is 1,718 deep located North of Sunnyside, owned by Art and Ruth Den Hoed. The request is a seasonal transfer of the irrigation water from Certificate of Water Right G4-24077C to Emergency Drought Permit G4-34953. The Department of Ecology did approve use of the Den Hoed Emergency Well during the 2015 drought.

In the interest of time I have attached the following supporting documentation/information to expedite the Department of Ecology's review of the Application for Seasonal Change/Transfer of a Water Right:

- 1) E-mail dated May 21, 2024 from Scott Revell, Manager of the Roza Irrigation District.
- 2) Copy of DOE Certificate of Water Right G4-24077C with a priority date of August 18, 1975.
- 3) Copy of DOE Emergency Drought Permit G4-34953 which was approved April 29, 2005.
- 4) Copy of Well Log for the Estes well dated March 9, 1978.
- Copy of Well Log for the Den Hoed well dated June 23, 2005.
- 6) Copy of Emergency Drought Authorization No. G4-34953-15 dated May 28, 2015.

Since 1976, the Estes Well has been utilized to irrigate approximately ±84 acres of various tree fruits. The orchard was removed in 2021 and the well and water right have not been used since then. The Estes Well has no flow meter. The well has been utilized consistent with Certificate of Water Right G4-24077C issued by the DOE.





The Proposed Place of Use is within the boundaries of the Roza Irrigation District. A map along with a list of the Yakima County Tax Parcels for the Proposed Place of Use are attached to the Application. The entire Proposed Place of Use is not expected to receive full irrigation coverage. The Den Hoed Family needs the flexibility to irrigate the most critical areas of the Proposed Place of Use that provides the greatest economic benefit. Those decisions will be made as the irrigation season progresses. The total quantities utilized will be within the quantity approved by DOE and/or within the limits of Certificate of Water Right G4-24077C.

The Den Hoed Family has invested millions of dollars to develop high value apples, cherries, wine grapes and juice grapes on the Proposed Place of Use. They have also invested hundreds of thousands of dollars in developing the irrigation well that is being requested as the Point of Withdrawal. The short and long term impact from this year's drought will be financially devastating to the Den Hoed Family without additional irrigation water.

I hope you find the Application and supporting documentation/information acceptable. If you require any additional information/documentation, assistance, or have questions, please contact me. I look forward to your immediate response!

Sincerely,

Eric Weinheimer Agricultural Consultant

# Application for Seasonal Change/Transfer of a Water Right

### MAY 13 2024

DEPARTMENT OF **ECOLOGY** Dept. of Ecology Central Regional Office

Form No. ECY 070-200 (rev. 8/2021)

 We strongly encourage applicants to seek pre-application consultation prior to applying for seasonal change of water source.

- Refer to accompanying guidance to complete this form.
- Incomplete applications will be returned.
- A \$50 fee is required to apply.
- All fees are non-refundable (RCW 90.03.470(13)).
- Applications must be received by February 15, or at least 60 days prior to your proposed use.

### Where to mail your application:

Submit all applications to Ecology's Cashiering Section at the address below.

DEPARTMENT OF ECOLOGY CASHIERING SECTION PO BOX 47611 OLYMPIA, WA 98504-7611

Check the box for the region where your project is located.

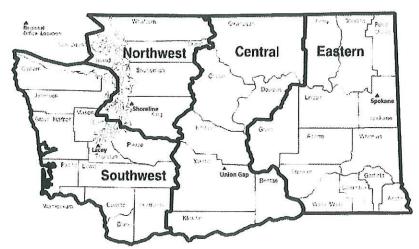
X Central Region

Eastern Region Northwest Region

Office of Columbia River (OCR)\*

Southwest Region

\*OCR has jurisdiction for designated OCR projects, and new projects located within one mile of the Columbia River.



To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program at 360-407-6872. People with impaired hearing may call Washington Relay Service at 711. People with speech disability may call TTY at 877-833-6341.

ECY 070-200 (rev. 8/2021)

1 of 6



# **WATER RESOURCES PROGRAM**

# Application for Seasonal Change/Transfer of a Water Right

I am applying to (check all that apply):   ☐ Change/transfer place of use ☐ Change point(s) of diversion/withdrawal ☐ Add point(s) of diversion/withdrawal  1. Water Right Information	<b>3</b>	Dept. of Ecology Central Regional Office
Water right or claim number 64-24077 C	Recorded name(s) Marvin L. É	stes
Has the water been used as described on your water right do	ocument in the last five	(5) years? ⊠ yes ☐ no
Water right owner Marvin L. & Joanne Estes	Phone no. 509 941 - 7915	Alt phone no. 509 941 - 7916
Address 1983 Lombard Loop Road		
City Wapato	State W A	Zip code 98951
Email address estesfruits@ieloud.com		
2. Applicant Information		
Applicant/business name Arthur & Ruth Den Hoed	Phone no. 59 127-9211	Alt phone no. 609 786-0715
Address 62002 Missimer Road		
City Grandview	State W A	Zip code 78930
Email address arthuridenhoedinc@gmail.co	m	
· O		

Contact (if different from above)	Phone no.	Alt phone no.
Address		
City	State	Zip code
Email address		

For Ecology Use Coding: 001-001-0285-000011	
Amount Received:	

# 3. Point(s) of Diversion or Withdrawal

MAY 13 2024

### A. Existing

Provide the source location information. Attach additional sheets if needed.

Dept. of Ecology Central Regional Office

	Source Name	QTR						
(Refere	ence by number below)	V-0223-01-23301	QTR	SEC	TWP	RGE	Well Tag	Parcel No.
1.	SW corner			34	121	20ECC	m	201234-34002
2.	See attack		De11	L09				
3.				J				
4.								
B. Prop	posed e the source location	on inform	nation.	Attach	additio	nal sheet	ts if needed.	
(Refere	Source Name ence by number below)	QTR QTR	QTR	SEC	TWP	RGE	Well Tag	Parcel No.
1.		SW	SE	5	10 N	33Ele	IM AHP TTE	231005-31001
2.	See attache	dw	216	609				
3.				J				
4.								
	own the proposed ace of Use	point(s)	OI UIV	GI SIOI I/	withtrat	vai: 🔼	Tes [] NO	
A. Exis	sting			1				
A. Exis	eting QTR SEC	TWP	RGE		County	ı	Parcel No.	# of Irrigated Acres
QTR	QTR SEC						c .	
QTR				61510		f Whe	6	# of Irrigated Acres
QTR	QTR SEC			£1510			c .	
QTR	QTR SEC			£1510			c .	
QTR QTR	QTR SEC	ched	Cer		ate c		c .	
QTR QTR	QTR SEC	nere wate	(lev	esently	used:	f Wa	c .	
QTR QTR Legal de	See attace	nere wate	Cer er is pre	esently use	used:	s No	ter Right	64-240mc
Legal de Do you d	See attace escription of lands whown all the lands in the rovide name & condition of lands who where the condition is a secription of lands in the l	nere wate	Cer er is pre	esently use of use	used:	of War	ter Right	64-240mc
Legal de Do you de If no, pr	escription of lands whown all the lands in the rovide name & condition of existing the condition of the cond	nere wate	Cer er is pre	esently use of use	used:	s □ No onal she	ter Right	64-24071C
Legal de Do you de If no, pro Legal lar applicant	escription of lands whown all the lands in the rovide name & condition of existing the condition of the cond	nere wate	Cer er is pre	esently use of use	used:	s □ No onal she	ets, if necessar	64-24071C



### B. Proposed (if different than 4.A)

MAY 13 2024

QTR QTR	QTR	SEC	TWP	RGE	County	Parcel No. Central	of Ecology Regional righted Acres
	See	atta	ched	Aerial	Map and Propose	d Hace of a	se

Legal description of lands where new use is proposed:		
Do you own all the lands in the proposed place(s) of us	e? ☐ Yes 🏻 No	
If no, provide name & contact information. Attach additi	onal sheets, if necess	sarv.
Legal land owner(s) of <u>proposed</u> place(s) of use (if different than applicant) Sunwald South Rauch, LLC Sunwalde East a	Phone no.	Alt phone no. (504) 786 - 07/5
Address 62002 Missimer Road	Idea (C.)	001) 108-0115
City Grand view	State W A	Zip code 98930
Email address arthuridenhoed inc @gmail.com		

# 5. Project Description

Provide a brief description of the proposed seasonal change/transfer:

### 6. Historical Use

If not previously provided to Ecology, include information to support historical water use. Ecology may request additional information from you.

Section	Required information
6.1	Describe how the water proposed for seasonal change/transfer has been beneficially used since the water right was established.
6.2	Provide information on historical flow rate and explain how the amount was determined (e.g. meter data or power records).
6.3	If the requested seasonal change/transfer is for a water right claim, include evidence demonstrating use of water prior to 1917 for surface water, or prior to 1945 for groundwater.

# **7.** Map

Attach a detailed map of your proposed seasonal change/transfer. The map should show existing and proposed point(s) of diversion/withdrawal, place(s) of use, and any other features involved with this application. Also, for irrigation purposes, you must indicate on the map those lands that will not be irrigated within the original place of use.



## 8. Signatures

MAY 13 2024

By signing below, the applicant certifies that the information provided on this application is true and accurate to the best of their knowledge. If the applicant was assisted in preparing this application, they understand that they are responsible for the accuracy of the information.

The applicant also understands that, in order to process this application, they are granting staff from the Department of Ecology access to the above site(s) for inspection and monitoring purposes.

Applicant Printed Name – Title	Applicant Signature	(Date: MM/DD/YYYY)
Marvin L. Estes Jr	Marin LEst	05/22/202
Water Right Holder Printed Name	Water Right Holder Signature	(Date: MM/DD/YYYY)
Marvin L. Estes Jr	Marun La Estas Jr	05/22/202
Landowner of Existing Place of Use Printed Name	Landowner of Existing Place of Use Signature	(Date: MM/DD/YYYY)
Landowner of Proposed Place of Use Printed Name	Landowner of Proposed Place of Use Signature	(Date: MM/DD/YYYY)
Authorized Representative Printed Name	Authorized Representative Signature	(Date: MM/DD/YYYY)

If addional signatures are required, attach a supplemental sheet.

### **Ecology regional offices**

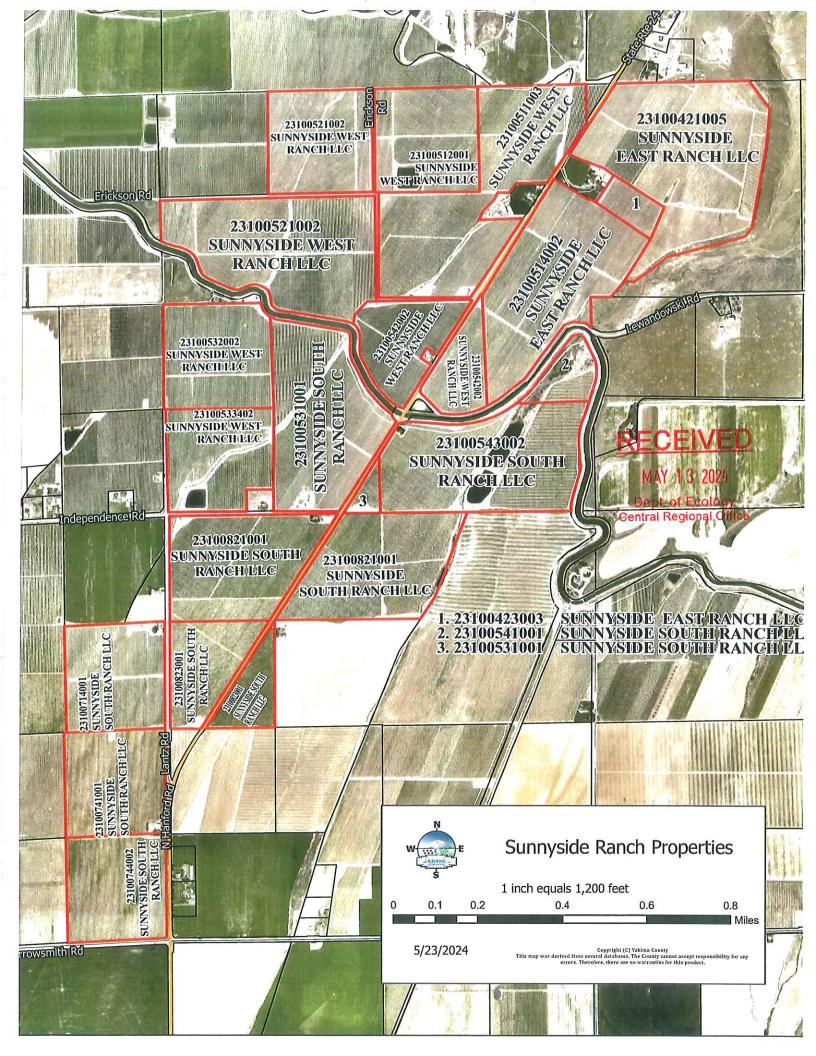
For additional information, contact the Ecology regional office where your project is located:

Region/ Office	Counties served	Mailing Address	Phone
Central	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	wrCRO@ecy.wa.gov 1250 W Alder St Union Gap, WA 98903	509-575-2490
Eastern	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	wrERO@ecy.wa.gov 4601 N Monroe Spokane, WA 99205	509-329-3400
Northwest	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	wrNWRO@ecy.wa.gov PO Box 330316 Shoreline, WA 98133-9716	206-594-0000
Office of Columbia River*	OCR has jurisdiction for designated OCR projects, and new projects located within one mile of the Columbia River.	wrCRO@ecy.wa.gov 1250 W Alder St Union Gap, WA 98903	509-575-2490
Southwest	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Thurston, Skamania, Wahkiakum	wrSWRO@ecy.wa.gov PO Box 47775 Olympia, WA 98504	360-407-6300

# Attachment A. Hydrogeological Setting (for ground Water ED changes only) MAY 13 2024

If not previously supplied, the following may be required for a change in source. We strongly or recommend that applicants contact Ecology prior to conducting <u>any</u> hydrogeological work, to determine the scope of data required for processing this application.

Section	Required information
A.1	Provide a description of existing authorized point(s) of withdrawal and proposed well(s), their locations, water well report, static water levels, pumping rates and schedules, etc.
A.2	<ul> <li>If known, describe:</li> <li>Geographic recharge and discharge areas</li> <li>Seasonal variations of groundwater elevations</li> <li>Interrelationships between surface water and groundwater, and between aquifers</li> <li>Barriers to flow</li> <li>Hydrologic boundaries</li> </ul>
A.3	Attach any available well information, including:  Water well reports (well logs) for existing and proposed wells  Well diameter and depth  Motor and pump specifications (i.e., make, horsepower, and type)  Pump test data  Well locations (must be identified as outlined in Section 7 (Map))
A.4	If known, describe the following charicteristics of the aquifer, and cite the source of that information:  Aquifer transmissivity Aquifer storage coefficient and specific yield Saturated thickness Aquitard leakage A detailed description of groundwater-flow boundaries Water-level hydrographs for wells Associated waterquality information
A.5	Additional hydrogeological work may be required to process your application.





# MAY 13 2024

### Dept. of Ecology Central Regional Office

# (Roza Irrigation District Assessed Acres and Yakima County Assessed Market Values)

Proposed Place of Use

(as of 5/19/2024)

			Wate	Water Rights	ţ		2024 Ass	2024 Assessed Market Value	Value		
#	Yakima County Tax #	Owner of Record	District Irri. Acres	cres	2024 Ass.	Zoning	Land	Improv.	Total	2024 RIF Tayes	
1	231005-31001	Sunnyside South Ranch, LLC	Roza	59.00	\$11,918.00	Ag CU	\$350.100	\$206,100	\$556 200	\$3 039 37	
7	231005-41001	Sunnyside South Ranch, LLC	Roza	4.80	\$969.60		\$24.500	\$8.800	\$33,300	\$169.25	
w	231005-43002	Sunnyside South Ranch, LLC	Roza	53.30	\$10,766.60	Ag CU	\$397,500	\$300,700	\$698.200	\$4.081.22	
4	231007-14001	Sunnyside South Ranch, LLC	Roza	38.90	\$7,857.80	Ag CU	\$224,100	\$334,100	\$558,200	\$3.702.68	
S	231007-41001	Sunnyside South Ranch, LLC	Roza	37.60	\$7,595.20	Ag CU	\$245,500	\$401,000	\$646,500	\$4,346.91	
9	231007-44002	Sunnyside South Ranch, LLC	Roza	37.50	\$7,575.00	Ag CU	\$221,100	\$86,900	\$308,000	\$1,532.64	
/	231008-21001	Sunnyside South Ranch, LLC	Roza	98.80	\$19,957.60	Ag CU	\$607,800	\$700,700	\$1,308,500	\$8,262.26	
00	231008-23001	Sunnyside South Ranch, LLC	Roza	39.20	\$7,918.40	Ag CU	\$228,400	\$166,900	\$395,300	\$2,286.31	
			,								
9	231005-11003	Sunnyside West Ranch, LLC	Roza	68.80	\$13,897.60	Ag CU	\$468,000	\$431,200	\$899,200	\$5,393.19	
10	231005-12001	Sunnyside West Ranch, LLC	Roza 4	40.60	\$8,201.20	Ag CU	\$232,200	\$207,700	\$439,900	\$2,630.16	
11	231005-21002	Sunnyside West Ranch, LLC	Roza 10	108.60	\$21,937.20	Ag CU	\$637,700	\$502,600	\$1,140,300	\$6,580.16	
12	231005-32002	Sunnyside West Ranch, LLC	Roza	36.50	\$7,373.00	Ag CU	\$241,400	\$246,800	\$488,200	\$4,185.12	
13	231005-33402	Sunnyside West Ranch, LLC	Roza 3	35.20	\$7,110.40	Ag CU	\$202,100	\$224,000	\$426,100	\$3,656.53	
14	231005-42002	Sunnyside West Ranch, LLC	Roza 4	45.60	\$9,211.20	Ag CU	\$234,800	\$219,800	\$454,600	\$2,735.64	
ļ											(
12	231004-21005	Sunnyside East Ranch, LLC	Roza 2	22.20	\$4,484.40	Ag CU	\$506,600	\$266,400	\$773,000	\$4,738.25	Cen
10	231004-23003	Sunnyside East Ranch, LLC	Roza	1.00	\$202.00	Ag CU	\$78,100	\$22,800	\$100,900	\$366.77	tral
17	231005-14002	Sunnyside East Ranch, LLC	Roza 5	52.70	\$10,645.40	Ag CU	\$395,000	\$208,300	\$603,300	\$3,174.86	Regi
											onal
18		Totals	78	780.30 \$	\$157,620.60		\$5,294,900	\$4,534,800	\$9,829,700	\$60,881	Offic

From: Revell, Scott <srevell@roza.org>
Sent: Tuesday, May 21, 2024 4:51:25 PM
To: Revell, Scott <srevell@roza.org>

Cc: Espinoza, Kristel < Espinoza K@roza.org >

Subject: Roza shutdown notification

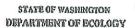
MAY 13 2024
Dept. of Ecology

Central Regional Office

### Roza Water Users:

- USBR staff informed us this morning that the Yakima Project went into pro-rationing status today. As a result, <u>Roza diversions will stop tomorrow morning for approximately 10 days</u>. Doing so will free up roughly 10,000 AF +/- to use throughout the season. Your water delivery will likely be shut down more quickly than typically occurs at the end of the season.
- You will need to re-order water when we re-start the system. We will email out a more detailed tentative re-start schedule within a few days with info on when you need to submit water orders for the re-start.
- There is no advantage to the District's water supply to delaying the start of shutdown, because there is no excess
  water in the river. There is a weather advantage to starting the shutdown as soon as possible. We will be
  monitoring the weather forecasts in Moxee/Sunnyside/Benton City during the shutdown, which could affect its
  duration.
- To expedite the re-start we will close valves to hold water in pipes wherever possible, prime the system with the reregulation reservoirs simultaneously. We may also begin the process the prior evening rather than at 6 am which has the been the approach in the past, and should also shorten the process somewhat. Draining & filling the canal system uses around 700-800 AF.
- Deliveries are <u>tentatively</u> planned to be at 3.6/gpm/ac. when the system is restarted and are scheduled to remain at that level through June. There are variables which will continue to affect the delivery schedule.
- The water supply forecast is officially listed at 54%, although the late May forecast was a range from 46% to 56%. Roza is using 51% as the planning basis, and the supply may deteriorate further. The next water supply forecast will be issued late morning on June 6<sup>th</sup>.
- You will see flows in the Yakima River below Parker, which is immediately downstream of Sunnyside dam. This increase over the next few days as 7,000 acre feet of conserved water are being released from reservoirs to flush juvenile salmon and steelhead out of the Yakima River system. The pulse will be 4 to 5 days in duration with the ramping up/down. The pulse was timed to coincide with the rain event that is ongoing. This is the 4<sup>th</sup> fish pulse of the season using conserved water. There will be one more pulse in June. This water is not available for irrigation.
- USBR's River Operations staff in Yakima has worked very hard to coordinate with the irrigation districts in recent
  weeks to reduce irrigation demand to avoid releasing water from reservoirs to meet the flow target at Parker which
  has held off prorationing for much of May. There is some potential that the rain event could have further
  forestalled prorationing, but it arrived too late to prevent the river from dropping below the flow target for a
  sustained period. The projected duration of those flow increases from today's rain were expected to be very short
  in duration.

Scott Revell, District Manager (509) 840-2721 cell





Dept. of Ecology Central Regional Office

### CERTIFICATE OF WATER RIGHT

AND PROPERTY OF THE PROPERTY OF THE PARTY OF	ALONIO M	stor liesveil in ecc	cordance with the Sharato, and sha	n provisions of Cha rules and regulatio	pter 263, Laws of Washin ha of the Oopertment of i	gton for 1	s40, and
PRIORITY DATE August 18, 19	75	G4-24077	NUMBER	PERMIT NU G4=24	Page 1 Control of Cont	1	CATE NUMBER 4-240770
NAME MARVIN L. EST	rs	To be the second	the same and the same are	inamente productiva de la compressió de	The State of Australian control of the State of Company for Australian Company for Australia and Company for Australia		
Address ismeen Re. 2 Box 210	ED EXCELLENCE OF THE PARTY OF T		icivi Wapa to	And the second s	Vanhington the satisfaction of		(ZIP CODE)
SUMMERS SO SHEET	ers has been	perfected in a perfected in a f Ecology and	e Permit issu accordance w entered of r	ed by the Dep	Colonia de Characteria de Caracteria de Cara	to and of	F
Source A well			Marter VIPAVELLI 9	S ME HIT HOP IN	PAICO	*************	
VALUUTARY OF (IF BUT	RPACE WATERS	Passangi (compitality) dang philipikan passay philipika			and a state of the first of the state of the		
Ply to Difference operations of the street of the street		-					
			SSO 550	ER MINUTE	Маними АС	пе- <u>явет ре</u> 430	A VEAR
GUANTOV, TYPE OF U	ISE, PENIOD OF	USE	590	and the second of the second of the second	Marimum ac	430	The second secon
GUANTITY, TYPE OF U	ISE, PENIOD OF	USE	590	and the second of the second of the second		430	
to be used for	se, peniod of a ferigues	use on Evon Apri	530 11 1 to 0c	and the second of the second of the second	64 acres; and £	430	The second second second second second
QUANTITY, TYPE OF U FO be used for 28 ngeded.	SE, PENIOD OF A TEXT OF SILVER	USE DIN SECTA APER LOCA ERSION-WITHOUT	530 11 1 to 0c	ERSION/WITTID	84 moreo; and £	430 rest p	The second second second second second
QUANTITY. TYPE OF U Fo be used for 28 meeded.	SE, PENIOD OF A TEXT OF SILVER	USE DIN SECTA APER LOCA ERSION-WITHOUT	530 11 1 to 0c	ERSION/WITTID	64 acres; and £	430 rest p	The second second second second second
GUANTITY, TYPE OF U TO be used for as reeded,	SE, PENIOD OF A TEXT OF SILVER	USE DIN SECTA APER LOCA ERSION-WITHOUT	530 11 1 to 0c	ERSION/WITTID	84 moreo; and £	430 rest p	
GUANTITY, TYPE OF USO DE UNE MEE MEE MEE MEE MEE MEE MEE MEE MEE M	RE, PENIOD OF A TERMINATION OF DIV	LOCA ERSION-WITHOUSet moreth &:	530 11 1 to 0c	ERSION/WITTID	84 moreo; and £	430 Feat p	
avantity. The of use of the meeded,  Approximate Loc of fact case.	RE, PENIOD OF A TERMINATION OF DIV	LOCA ERSION-WITHOUSet moreth &:	11 1 to 0c  ITION OF DIVERSAMAL COLUMN CHE SON  SECTION 34	ension/within	RAWAL  DAF OF Section:  RANGE IE. OR W.) W.M.  20 E.	430 Feat p	rosection

SYSWA & the SWASEK, all within Sec. 34 T. 12 N., R. 20 E.W.M.

(SEE REVERSE SIDE)

CERTIFICATE

i

### PROVISIONS

A maximum of 430 acre-fout per year shall be applied to those londs for irrication, lon and Examplied under existing rights.

Installation and maintenance of se access port as described in Ground Water Bulletin-No. MAY 1 2024

10 required. An air line and sage may be installed in addition to the access port.

Dept. of Ecology

All water wells constructed within the state shall neet the minimum standards for con-Central Regional Office struction and maintenance as provided under RGW 18.104 (Hashington Mater Holl Construction Act of 1971) and Chapter 173-160 VAC (Minimum Standards for Construction and Maintenance of Water Wells).

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03,380, 90.03.390, and 90.44.020.

This certificate of water night is specifically subject to relinquishment for nonuse of water su provided to SCV 90.14.100.

Given under my hand and the seal of this office at Valon Cape Washington, this .. 25th ... day of ...... 19...90.....

Department of Ecology

еногневещограта

RUSSELL R. TAYLOR, Regional Manager

FOR COUNTY USE ONLY





MAY 13 2024

# Dept. of Ecology

# STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

15 West Yakima Avenue, Suite 200 • Yakima, Washington 98902-3452 • (509) 575-2490

April 29, 2005

Arthur den Hoed 62002 N Mission Rd Grandview WA 98930-34953

Re: Amended Emergency Drought Permit No. G4-34953

In accordance with the provisions of RCW 43.83B.405, on March 10, 2005, it was ordered and determined by the Director of the Department of Ecology that the State of Washington is under drought conditions. In accordance with the provisions of WAC 173-166-060, the Department of Ecology is under the terms of this Order, issuing an EMERGENCY DROUGHT PERMIT. The intent of this authorization is to alleviate hardships and reduce the burdens on water users arising from the drought conditions.

THIS AUTHORIZATION SHALL IN NO MANNER BE CONSTRUED TO GUARANTEE OR IMPLY THAT A FINAL (REGULAR) PERMIT WILL ISSUE FOR THE FUTURE USE OF THE WATER USE HEREIN AUTHORIZED.

The Department of Ecology has agreed to fund the cost of the mitigation or offsets for the impacts associated with the drought emergency authorizations. Ecology is attempting to meet the essential irrigation needs of farmers growing perennial crops (such as orchard crops, grapes, hops, etc.) where the loss of irrigation water would permanently damage the crops. Through the use of emergency supplemental wells, Ecology is authorizing up to 80% of the usual irrigation water supply delivered by the irrigation districts. In a normal year, Roza Irrigation District is prepared to deliver 3 to 3.3 acre-feet of water per acre. 80% of 3.3 acre-feet is 2.6 acre-feet. Roza Irrigation District is expected to deliver approximately 0.8 acre-feet of water. This authorization will allow up to 1.8 acre-feet of water per acre.

This authorization is subject to the following limitations and provisions:

This authorization is for two new wells located within the SW¼ of the SE¼ (Well) 1 and the SE¼ of the SE¼ (well 2) of Section 5, T. 10 N., R. 23 E.W.M.

The instantaneous quantity of water to be withdrawn is limited to 2000 gallons per minute.

A total of 779.3 acre-feet of water is authorized under this emergency permit for the supplemental irrigation of 633.5 acres.

The place of use is described as follows:

Yakima County Tax Parcel Nos. 23100421004 and 23100423003 within Section 4; 23100514002, 23100511001, 23100512001, 23100521001, 23100541001, 23100542002, 23100531001, and 23100543002 within Section 5; 23100741001 and 23100744002 within Section 7; and 23100821001 and 23100823001 within Section 8, all within T. 10 N., R. 23 E.W.M., Yakima Co. Washington.



MAY 13 2024

### Amended Construction Provisions

Dept. of Ecology

It is unlikely that the requested instantaneous quantity of 2000 gpm can be obtained from the Saddle Mountains Aquifer in this area. The Ellensburg Aquifer is not considered an option in this area due to its limited thickness and protection of domestic wells.

Upon completion of Well 1 (SW¼, SE¼ Section 5, T. 10 N., R. 23 E.W.M.) under Drought Authorization No. G4-34953 into the Saddle Mountains Aquifer, it was determined that the quantity of water requested was not attainable from the Saddle Mountains Aquifer at the location of Well 1. As a result, the applicant may choose to develop emergency drought Well 1 (SW14, SE14) into the Wanapum Aquifer according to the provisions outlined below.

Well 2 (SE¼, SE¼ Section 5, T. 10 N., R. 23 E.W.M.) shall be completed into the Saddle Mountains according to the provisions outlined below. Should the maximum yield from Well 2 (SE14, SE14) be determined to be insufficient, the applicant may choose to develop emergency drought Well 2 (SE1/4, SE1/4) into the Wanapum Aquifer according to the provisions outlined below.

To develop a well in the Saddle Mountains Aquifer, the well must comply with the following construction requirements and restrictions:

- (a) Unperforated casing shall be set or placed (not driven) twenty (20) feet into the top of the Pomona Member (basalt) of the Saddle Mountain Formation, which is estimated to occur at or below a depth of approximately 310 feet for the proposed well in the (Well 1) and 240 feet for the proposed well in the SE¼ of the SE¼ (Well 2).
- (b) The well casing annulus shall be sealed with a neat cement or neat cement grout. The sealing material shall be placed in the annulus by pumping to seal the entire annulus from the bottom of the casing to the land surface.
- The well annulus shall be at least four (4) inches greater in diameter than the permanent (c) casing.
- (d) The well depth shall terminate at or above a depth corresponding to the top of the Priest Rapids Member of the Wanapum Formation, which should be encountered at a depth of approximately 730 feet for the proposed well in the SW1/4 of the SE1/4 (Well 1) and 645 feet for the proposed well in the SE¼ of the SE¼ (Well 2).
- Installation of an airline and an access port for water level measurement is required. (e)

To develop a well in the Wanapum Aquifer, the well must comply with the following construction requirements and restrictions:

- (a) <u>Unperforated</u> casing shall be set or placed (not driven) twenty (20) feet into the top of Priest Rapids Member of the Wanapum Formation, which should be encountered at a depth of approximately 730 feet for the well in the SW¼ of the SE¼ (Well 1) and 645 feet for the proposed well in the SE¼ of the SE¼ (Well 2).
- The well casing annulus shall be sealed with a neat cement or neat cement grout. The (b) sealing material shall be placed in the annulus by pumping to seal the entire annulus from the bottom of the casing to the land surface.



- (c) The well annulus shall be at least four (4) inches greater in diameter than the permanent casing.

  Dept. of Ecology
  Central Regional Office
- (d) The well depth shall terminate at or above a depth corresponding to the top of the Sentinel Bluffs Member (basalt) of the Grande Ronde Formation, which is approximated to occur at a depth of around 1,500 feet.
- (e) Upon completion of the well(s), the well(s) is/are to be video taped. The tape(s) is/are to be submitted to the Department of Ecology Water Resources Program with 15 days of completion of the well(s).
- (f) Installation of an airline and an access port for water level measurement is required.

When flowing artesian conditions are known or suspected, the operator shall have a written sealing plan prepared prior to initiation of construction. Flowing wells shall be so constructed and equipped with valves to ensure that the flow of water can be completely stopped when not being used. Likewise, the well shall be so maintained as to prevent the waste of water through leaky casings, pipes, fittings, valves, or pumps -- either above or below land surface.

In either case, the applicant shall require the driller to collect and retain drill cuttings for Ecology to submit for laboratory analysis as follows:

The driller shall collect and retain basalt chip samples starting with the first basalt encountered and every 20 feet thereafter and at significant changes in lithology. The depth each sample is taken from shall be recorded with the sample. Gross sample size should be large enough to provide a net minimum of sixteen (16) ounces of dry, clean, washed basalt chips from each sample. Staff from Ecology will pick up the samples during and/or at the conclusion of drilling and may arrange for X-ray Fluorescence Analysis. As soon as the drilling schedule is established, the applicant shall notify Anna Hoselton (509) 454-7887 or Ron Dixon (509) 454-7897 at the Department of Ecology, Yakima, WA, to go over any questions and arrange for site access by Ecology staff.

The new well shall be constructed by August 1, 2005. If the new well is not completed by August 1, 2005, you must notify Ecology and provide us with an estimated completion date and a statement describing how the well will be used to provide supplemental water this year. If the well cannot be completed in sufficient time to provide water this year, this emergency permit will be cancelled.

A suitable flow meter approved by the Department of Ecology shall be installed and maintained in accordance with Chapter 173-173 WAC. (Installation, operation and maintenance requirements attached hereto.)

Whenever water is being withdrawn, bi-weekly (every two weeks) readings of the flow meter shall be recorded and maintained by the permittee. These readings shall be documented by time, date, withdrawal rate, and the person conducting the measurements. Copies of these records shall be submitted to the Department of Ecology by November 15, 2005.

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

Arthur den Hoed April 29, 2005 Page4 of 4





MAY 13 2024

Withdrawal of water under this authorization may be limited or otherwise regulated in favor of Ecology

This drought emergency authorization expires on October 31, 2005.

This Order may be appealed pursuant to Chapter 43.21B RCW. Any person wishing to appeal this Order must file an appeal with the Pollution Control Hearings Board within thirty (30) days of receipt of this Order. Send the appeal to: Pollution Control Hearings Board, PO Box 40903, Olympia, Washington 98504-0903. At the same time, a copy of the appeal must be sent to: Department of Ecology, Water Resources Appeals Coordinator, PO Box 47600, Olympia, Washington 98504-7600.

Sincerely

Robert F. Barwin, Section Manager

Water Resources Program Central Region Office

RFB:gg 0504105

Enclosures:

Flow Meter Requirements

Your Right To Be Heard

cc:

Carroll Palmer, Director, Natural Resources Division, Yakama Nation

Curt Hart, Water Resources Program, HQ

ERY MEN 1 75

Fills of fried and First Copy with Department of Feelogy Second Copy - Owner's Copy Third Copy - Driller's Copy

# WATER WELL REPORT

MAY 13 2024

Applicable to the cology

Application Registrated Registrates and the cology of the col

STATE OF WASHINGTON

-	_	(1) OWNEE: Name Marvin Estas	Address Route 2, Box 2104, Waps	dia 1	
Me		The second secon			
		(2) LOCATION OF WELL: County Yakima.	W 1 SW 14 Ser 34 T	12N, R	20Erm
S		pp and distance from section or subdivision corner			
		(3) PROPOSED USE: Domestic   Industrial   Municipal	(10) WELL LOG:	PROPERTY AND SERVICE	1 1
5		Irrigation (I Test Well (1 Other	The state of the s		14-
		Millianon W Tou as I March	Formation Describe by color, character, size of material show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each c	il and stru	icture, and ial in each
ō		(4) TYPE OF WORK: "Winer's number of well First	arration penetrated, but at least one entry for each c	hange of	formation
		New well ( Method: Dug [ Bored [	MATERIAL	FROM	то
Ě		Deepened 🗍 Cubic XX Driven 🖸	Top Soil	<u>. 0</u>	15
Part of the last		Reconditioned [] Rotary [] Jetted []	Sand stone & Clay	1.15	40
Information		(5) DIMENSIONS: Diameter of well 20 inches	Camated Grayel	.40	55
		(5) DIMENSIONS: Diameter of well 2410 inches to Depth of completed well 1410 in.	Brown Clay with Sand	55_	135
me			Hard Sandstone	135	1.60
		(6) CONSTRUCTION DETAILS:	Soft Sandatone	160	173
andfor		Casing installed: 20 " Diam from 0 n to 107 n	Sand	173	179
8		Threaded 10 "Diam from 107 ft to 525 ft	Green Clay	179	186
S		Welded & "Diam from 720 it to 869 it	Broken Basalt Firm )	186	209
		Perforations: Yeskik No []	Black Basalt Hard (Clept WHA	209	216
212		Type of perforator used Torch	Broken Basalt	216	219
Š		SIZE of perforations 4 in by 3/16 in.	Clay & Sand Hard	219	249
0		700 perforations from 720 ft to 869 ft	Hard Yellow & Green Clay	249	273
S		AL perforations from Self fi to 1973 H	Pea Green Clay	273	310
1		perforations from 11 to 11	Green Sandstone	310	333
warranty		Screens: Yes D No M	Green Sand	333	357
C		Riggist of State of Name	Green Clay	357	380
त्त्र			Green Sandy Clay	380	300
		The second secon	Green Shale	390	430
ema)		Diam Slut size from ft. to ft	Green Sand (Heavey)	430	460
5		- · · · · · · · · · · · · · · · · · · ·	Green Shale	460	485
2	20	Guard placed from the to the	_Green Sandy Shale	485	490
W.			Green Clay Small Gravel	490	500
000			-Green Clay & Shale	500	550
100			Cray Basalt Med-Hard	550	_555_
		Did any stroin contain unusable water? Yes No. No.	No Cuttings	555	552
5		Method of scaling strate off	SWL dropped from 170-210	!	··
Ecology		PT DTTNETD.	Gray Basalt Broken	557	562
	1		No Cuttings	562	568
fem			Black Basalt Broken +	568	572
O	. 8	of Attributed the April of the second	SWL 200		
lena jung	ti		Red Basalt Broken	572	580
	r	riestan pressure lbs per square inch Dete .	Bladk Basalt Ned-Hard	580	585
Department		Arteum water is controlled by (Cap. valve etc.)	SWL 191		
ত		The second secon	Gray Basalt Firm	585	592
2	(9	B) WELL TESTS: Drawdown is amount water level to lowered below static level	SWL 178		
5	Wa	as a promp test made? Ye D No D If yes, by whom? HATAL INC.	Volkstatered	it. Pa	<b>EE</b> 2
	310		WELL DRILLER'S STATEMENT:		
2		n n	This well was drilled under my jurisdiction an	oh Aresso som	designation of
Ē		1 12	rue to the best of my knowledge and belief	d this re	port is
Ž Ž	Pr	neasures from well top to water level) (water level)			many summanu.
		Time Water Level   Time Water Level   Time Water Level   N	NAME. Moriarty Drilling		
1			(Person, firm, or corporation) (Typ	pe or print	1)
1		. A	Address Rt 9, Box 269, Yakima, W	B. 98	901
1 700	-		<i>y</i> 5 5		W SE
٠. حلي		Jate of test	Signed) C. A Mount Co		
7		iter lest gar/min with it drawdown after his	(Well priller)		
		nperature of water 81 was a chamical analysis made? Tes 0 180 & L.	0355 / 3/0		20
	"	A A Mar a cuamich eurhate made, Aea [] No 10	Icenne No 0333 Date 3/9		78

File Stigmal and Find Copy with Lepuriness of Feology WATER WELL REPORT

Application No G4-24077

Second Copy — Owner's Copy There Copy — Briller's Cupy STATE OF V	VASHINGTON MAY 13 2024 error No G4-24077P
(1) OWNER: Name Marvin Estes	
(2) LOCATION OF WELL: COUNTY Yakima	Wa Ceswal Regional Office 12 N. R. 201 M.
ng and illutance from section or subilivision corner	
	(10) WELL LOG:
(3) PROPOSED USE: Domestic   Industrial   Municipal	And the second representation of the second r
rrigation Test Well Onther D	Formstion: Describe by color, character, size of maicrus and structure, and show theckness of aquifers and the kind and values of the material in each structure paretraied, with at least one entry for each change of formation.
(4) TYPE OF WORK: Where humber of well	MATERIAL FROM TO
New well 🔲 Method: Dug 🔲 Bored 🗍	Gray Basalt Fire 592 602
Despend Cable Driven C	SWL 178
Reconditioned [] Retary [] Jetted []	Gray Basalt Med-Hard 602 607
5) DIMENSIONS: Diameter of well inches.	Gray Basalt Hard 607 820
Drillen it Depth of completed wellft.	Broken Basalt Gray 820 825
6) CONSTRUCTION DETAILS:	with Colored Gravel &
559 30 540 52 650 702	Comglomerate Some Sand Br.
Casing installed: Diam from fi to fi	Brownish Sandstone 825 840
Thresded C "Diam from ft. to ft. Welded C "Diam from ft to ft.	Gravel 1" minus & Sand Some 840 : 856
the state of the s	Basalt SWL 210° up 15°
Perforations: Yes C No C	Gravel & Sand 856 862
Type of perforation used on by in.	SWL up 4-5° - 205  Gogrse Gravel 862: 866
perforations from . It to ft.	The state of the s
perforations from . It to ft.	Gravel & Sand (Caving)   866   868
perforations from it to fil.	Grav Sandstone 868 876
Screens: Yes O No D	Broken Basalt 876 884
Manufacturer's Name	Black Basalt Mad-Hard 884 990
Type Nodel No	Gray Bagalt Hard 900 928
Diam Slot size from ft. to ft.	Gray Beenlt Med-Hard 928 957
	Gray Bagait Hard 957 961
Gravel packed: Yes O No O Size of gravel.	Gray Banalt Medium 961 967
Gr. vel placed from fi. to	Gray Basalt Hard 967 972
Surface seal: yes O No O To what depth? ft.	Gray Basalt 972:1090
Malerial used in seal	Gray Shale 1090 1093
Did any strata contain unusable water? Yes [] No []	Gray Basalt Hard Crevis 3° 1093 1105
Type of water? Depth of strate	Gray Basslt Med-Hard 1105 1145
Method of sealing strate off.	Rad Shale 1145 1148
7) PUMP: Manufacturer's Name	SWI raised 11° from 164-155
Type: HF	Gray Clay 1148 1151 Gray Banelt Med-March 1151 1165
B) WATER LEVELS: Land-auriace elevation	Gray Banalt Med-Mard 1151 1165 Brown Banalt Med-Hard 1165 1185
above mean tea level	Blank Becalt Med-Hard 1185 1195
rtesian pressure ibs. per square inch Date	Gray Basalt Hard !1195 1225
Artesian water is controlled by (Cap, valve. etc.)	Gray Basalt (losing cutting 1225 1235
	many - many the second of the
D) WELL TESTS: Drawdown is amount water level is lowered below static level	Worksammer
as a pump test made? Yes [] No [] If yes, by whom?	WELL DRILLER'S STATEMENT:
feld, gal/min with ft. drawdown after hea	
Commission and successful the succes	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
ecovery data (time taken as zero when pump furned off) (water level	men so the wint it ith internal one wence!
measured from well top to water level?	NAME Moriarty Drilling
Time Water Level   Time Water Level   Time Water Level	(Person. firm. or corporation) (Type or print)
ENGINEE OF NORTH BUT COMMERCED ON NORTH COMMERCED O	Address Route 9, Box 269, Yakins, 18901
	Commence of the commence of th
the of test	[Migned] Kink Marker to Ch
and test gol min with ft. drawdown after	[Signed]. (Well Druker)
and an Aust	

Was a chemical enalysis mase? Tes () No ()

g.p.m. Date

Liceme No.

0355

Date.

Parmir test

Cemperature of water

Artenan flow

File C. And and First Copy with Department of Ecology Record Copy — Owner's Copy Fhird Copy — Driller's Copy		YELL REPORT	MAY 13"	1024 No. G4-24077
(1) OWNEE: Name Marvin Estas	enter there is not been pleasured as a second	Address Route		al Wapacto, Wa.
	(akima	W	SW SW 14 Sec 3	4 T 12 N. R. 20E M
og and distance from section of subdivision for	ner		The state of the s	
(a) PROPOSED USE: Domentic [] Indust	MARCHE RESERVE TOWN THE TO	Description of the same of	Comment of the commen	Wantishal And Leaves
(4) TYPE OF WORK: Concre number of	And in case of the last of the	ahow thickness of a	quifers and the kind and ni with at least one enery to	f material and atructure, and ature of the material in each ir each change of formation.
New well Method: D		)	MATERIAL	PROM TO
	Table [] Driven [	Fitting av Did m.m.	lt Extra Hard	1235 11295
Reconditioned [	Rotary [] Jetted [		William W. W. Coll. Coll	1295 1406
(5) DIMENSIONS: Diameter of well	inches		it Hard with wing Cuttings)	vater1406 1410
Drilled (1 Depth of completed	wellg		was a carried	to 1 departs the second diving a part
(6) CONSTRUCTION DETAILS:	V			†
Casing installed: "Diam from	ft. to #8		and the second s	
Thresded [ "Diam. from	n to			
Welded [] "Diam. from	ft to gr		NSIONS:	and the same and an order of the same and the same and
Perforations: Yes D No D		0- 219-		
Type of perforator used.	94	219- 607-		and a man of the contract of t
FIZE of perforations in. by perforations from	y , in fi. to fl	DO1-040 -	and the state of t	
perforations from	it to se	公安 720-		
A A STATE OF THE PARTY OF THE P	it to A.	720-1410-	es 8 th	
Screens: Yes   No		Leins vine	cen installe	7
Manufacturer's Name Type Mode	0 m	My Ci	Lacus 16 73	112 Fulling
Diam Slot size from	fi to . ft.	Sent transmission of the sent transmission of transmission of the sent transmission of transmi	***	
Diatin Slat sire from	ft, to ft.			
Aravel packed: Yes   No   Size of ar	avel.		** ************************************	
Gr. vei placest from H to	. 11.		Comment of the commen	
Surface seal: Yes No D To what dep	th? ft.			· · · · · · · · · · · · · · · · · · ·
Material used in seal	n examen	***************************************		
Dul any strata contain unusable water?  Type of water? Depth of st	Yes   No			
Method of scaling strate off		Service of the servic		
(7) PUMP: Manufacturer's Name.				
Тупе	н.Р			- many - militaria - many quantity spinopers (
(8) WATER LEVELS: Land-aurrace elevation				A STATE OF THE PERSON NAMED IN COLUMN TO PER
Static level ft. helow top of well i			- management of the second	and the same distribution for any special spec
tricular pressure   Da. per square inch	Sala		A SARAMA and Witnesser World State S	The state of the s
Artesian Water is controlled by (Cap,	valve, etc.)		The same of the sa	· · · · · · · · · · · · · · · · · · ·
(9) WELL TESTS: Prawdewn is amount w	ater level to			
Was a pump sert made? Yes [] No [] If yes, hy whom		Work maries MATC	1 2 1977 . Complete	March 13 1,78
rield. gal/min with fi drawdown a	ifter hrs	WELL DRILLER	'S STATEMENT:	
* The art of the transfer of t		This well was dr	alled under my jurisda	tion and this report is
(requery data (lime taken as zero when numb success	(A) (Water lave)	wine so the pest of	my knowledge and bel	iet.
tecovery data (time taken as rero when pump turned mensured from well top to water level)  Time Water Level   Time Water Level   Time		NAME MOTISI	rty Drilling	
Time Water Level   Time Water Lavel   Time	Water Level	. iPeri	on. firm, or corporations	(Type or print)
	* * ***********************************	Address Route	9, Box 169,	Yakima, War 9890
	er to the like	Janes 1972	anconstant transmistations (GAS)	The second secon
je of test and min with it drawdown	A1640 has	[81@red]		to a
region how from Date	after hrs.	lea.	(Well Driller)	

Licanse No..

0355

Date

g.p.m. Date ..

Was a chamical analysis made? Yes [] No []

3/13 , 19.78

'emperature of water

WATER WELL REPORT	CURRENT Notice of Intent No. W150 RÉCE	IVED	)
FCOLOGY	Unique Ecology Well ID Tag Noval Property Water Right Permit No. G4-34953	1	TOF ECOLOGIC
Construction/Decommission ("x" in circle) 17590/	Ollique Ecology Well ID Tag 100 Att 17	<del>  2024 / S</del>	Received '
Construction	Water Right Permit No. G4-34953	cologi	
Decommission ORIGINAL INSTALLATION Notice	Water Right Permit No. G4-34953 Property Owner Name Art Deathers Region	cology	100 2 4 2005
of Intent Number	Well Street Address 62002 N. Missimer Rd	CA CHICE	
PROPOSED USE: Domestic Industrial Municipal DeWater Irrigation Test Well Other	City Grandview County Yaki		MAL REGION C
□ DeWater □ Irrigation □ Test Well □ Other	Location Sw 1/4-1/4 Se 1/4 Sec 5 Twn 10	N D 23 EW?	
TYPE OF WORK: Owner's number of well (if more than one)	Location 5 1/4-1/4 50 1/4 Sec 5 1 Wh 20	. IC ot	M Carde
New well Reconditioned Method: Dug Bored Driven Deepened 11718 - 9718 Cable Rotary Jetted	Lat/Long (s, t, r Lat Deg L	at Min/Sec _	
DIMENSIONS: Diameter of well 12" - inches, drilled 1718' ft.	Still REQUIRED) Long DegL	ong Min/Se	c
Depth of completed well 1718 ft.  CONSTRUCTION DETAILS	Tax Parcel No		0
	Tax Tarcer IVO.		4-
Installed: \[ \sum \subseteq \sin \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \s	CONSTRUCTION OR DECOMMISSION	ON PROCEDU	JRE
Threaded 12" Diam from +1 ft to 725' ft	Formation: Describe by color, character, size of material ar		
Perforations: Yes VNo Type of perforator used	nature of the material in each stratum penetrated, with at lea		ach change of
SIZE of perfs in by in and no of perfs from ft to ft	information. (USE ADDITIONAL SHEETS IF NEC		TO
Screens: Yes No K-Pac Location	MATERIAL Brown Silt	FROM 0	TO 3
Manufacturer's Name	Brown Silt Gravel & cobbles	3	14
Type Model No	Brown clay & gravel	14	28
Type         Model No           Dism.         Slot size         from         fl. to         fl.           Diam.         Slot size         from         fl, to         fl.	Brown sitty clay	28	66
Gravel/Filter packed: Yes No Size of gravel/sand  Materials placed from ft. to ft.	Brown sandstone	66	96
Materials placed from ft. to ft.	Med hard brown gray basalt	96	103
Surface Seal: Yes No To what depth? 725' ft	Hard gray basalt	103	112
Material used in seal cement	Soft tan claystone	112	114
Did any strata contain unusable water?	Sand gravel & cobbles Little water	114	123
Type of water? Depth of strata	Med hard dark gray basalt	123	139
Method of sealing strata off	Very hard gray basalt	139	169
PUMP: Manufacturer's Name	Mud hard fractured dark gray basalt	169	178
Type. H.P.	Reddish brown sandstone	178	183
WATER LEVELS: Land-surface elevation above mean sea levelft.	Soft brown clay	183	206
Static level 531' ft. below top of well Date	Tan clay	206	234
Artesian pressurelbs. per square inch Date	Tan clay & sandstone layers	234	272
Artesian water is controlled by(cap, valve, etc.)	Tan clay	272	292
WELL TESTS: Drawdown is amount water level is lowered below static level	Basalt med. hard gray	292	326
Was a pump test made? ☐ Yes ☐ No If yes, by whom?	Med. hard gray & reddish brown basalt		337
Yield: gal/min. with ft. drawdown after hrs.	Little water 10 gpm	326	
Yield: gal/min, with ft. drawdown after hrs. Yield: gal/min, with ft. drawdown after hrs.	Soft Hard gray basalt	337	340
Recovery data (time taken as zero when pump turned off) (water level measured from well		351	
top to water level)	Soft broken gray basalt Little water 30 gpm  Hard dark gray basalt	352	353 423
Time Water Level Time Water Level Time Water Level	Med. hard	423	438
	Med, soft fractured gray & brown basalt	100	
Pour Chart	water 50 gpm	438	446
Date of test gal./min. with ft. drawdown after hrs.	Med. hard gray basalt	446	467
Airtest 2000 gal/min, with stem set at 1700 ft. for 1 hrs.	Hard light gray basalt	467	642
Artesian flowg.p.m. Date	Med. soft gray porus basalt some hard gray clay	642	648
Temperature of water Was a chemical analysis made?	Reddish brown siltstone	648	659
The state of the s	Start Date 4-8-05 Comple	eted Date 5-25-	-05
WELL CONSTRUCTION CERTIFICATION: I constructed and/or acc Washington well construction standards. Materials used and the information Driller			nce with all
Driller or trainee License No 0337	City, State, Zip Kennewick, WA 99336		

Registration No BJENPC1132QK

Ecology is an Equal Opportunity Employer.

Contractor's

If TRAINEE, Driller's Licensed No.

Driller's Signature

i		0	
	la la		
7	ut.		

### WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

Construction

Decommission ORIGINAL INSTALLATION Notice

of Intent Number\_

of Intent Number	Well Street Address 62002 N. Missimer Rd	CENT OFFICE
PROPOSED USE: Domestic Industrial Municipal DeWater Infigation Test Well Other	City Grandview County Yakims	
DeWater VIrrigation Test Well Other	Location Sw 1/4-1/4 Se 1/4 Sec 5 Twn 10h	R 23 EWM V cycle
TYPE OF WORK: Owner's number of well (if more than one)	Location Sw 1/4-1/4 Se 1/4 Sec 5 Twn 10h	WWM One
New well   Reconditioned   Method:   Dug   Bored   Driven   Deepened   11-7/9   Cable   Rotary   Jetted	Lat/Long (s, t, r Lat Deg Lat	
Dimensions: Diameter of well 12"/ inches, drilled 1718' ft.	Still REQUIRED) Long Deg Long	ng Min/Sec
Depth of completed well 1718 ft.		
CONSTRUCTION DETAILS	Tax Parcel No	
Casing Welded 24" "Diam from +1 ft to 105" ft Installed 7   Things installed 16" "Diam from +1 ft to 323" ft		
Installed:  Liner installed 16" Diam from +1 ft. to 323' ft. Threaded 12" Diam from +1 ft. to 725' ft.	CONSTRUCTION OR DECOMMISSION	AL 20 MIN 100
Perforations: Yes No	Formation: Describe by color, character, size of material and nature of the material in each stratum penetrated, with at least	structure, and the kind and one entry for each change of
Type of perforator used	information. (USE ADDITIONAL SHEETS IF NECES	SSARY.)
SIZE of perfs in by in and no, of perfsfrom ft, toft	MATERIAL	FROM TO
Screens: Yes No K-Pac Location	Brown Claystone	659 662
Manufacturer's Name	Greeen Sandstone	662 665
Type         Model No           Diam.         Slot size         from         ft. to         ft.           Diam.         Slot size         from         ft. to         ft.	Green clay	665 691
Diam. Slot size from ft. to ft.	Green & Brown clay	691 705
Gravel/Filter packed: Yes V No Size of gravel/sand	Brown clay & broken basalt	705 707
Materials placed fromft. toft.	Black porus basalt	707 710
Surface Seal: Yes No To what depth? 725' ft	Hard dark gray basalt (736-737 void)	710 870
Material used in seal cement	Soft black visicular basalt some black & green clay	
Did any strata contain unusable water?	water 300-400	870 878
Type of water? Depth of strata	Dark gray porus basalt Med. hard	878 928
Niethod of sealing strata off	Hard gray basalt	928 942
PUMP: Manufacturer's Name	Very broken gray basalt some visicular water 198 psi	942 944
TypeH.P.	Hard gray basalt	944 963
WATER LEVELS: Land-surface elevation above mean sea levelft.	Med. soft black basalt	963 987
Static levelft, below top of well Date	Med, hard dark gray basalt	987 1026
Artesian pressurelbs, per square inch Date	Med. soft dark gray & reddish brown basalt	1026 1032
Artesian water is controlled by(cap, valve, etc.)	Med, hard dark gray	1032 1036
WELL TESTS: Drawdown is amount water level is lowered below static level	Med. soft reddish brown & dark gray basalt	1036 1043
Was a pump test made? ☐ Yes ☐ No If yes, by whom?	Med, hard dark gray porus	1043 1053
Yield: gal/min, with ft. drawdown after hrs.	Med. soft dark gray porus basalt	1053 1079
Yield: gal/min. with ft. drawdown after hrs. Yield: gal/min. with ft. drawdown after hrs.	Soft broken black visicular basalt Water 260 psi 77de	1079 1083
Recovery data (time taken as zero when pump turned off) (water level measured from well	Med, hard porus black	1083 1089
top to water level)	Broken porus black basalt 270psi 280psi-1092	1089 1092
Time Water Level Time Water Level Time Water Level	Hard dark gray basalt	1109 1148
	Med, soft black porus basalt	1148 1172
	Hard gray basalt	1172 1185
Date of test	Med. soft black porus basalt	1185 1187
Bailer testhrshrs.	Hard gray basalt	1187 1198
Airtest 2000 gal/min. with stem set at 1700 ft. for 1 hrs.	Soft black porus basalt some hard dark green clay	1100 1217
Artesian flow g.p.m. Date	water 300 psi Hard dark gray basalt	1198   1217 1217   1242
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No		
The state of the s	Start Date 4-8-05 Complete	ed Date 5-25-05
WELL CONSTRUCTION CERTIFICATION: I constructed and/or acc	ept responsibility for construction of this well, and	its compliance with all
Washington well construction standards. Materials used and the information	n reported above are true to my best knowledge ar	nd belief.
Driller	Drilling Company BJ Exploration Co., Inc	
Driller/Engineer/Trainee Signature Tany 90	Address 404 N. Conway Street	
Driller or trainee License No. 0337	City, State, Zip Kennewick, WA 99336	

CURRENT

Notice of Intent No. W150756

Water Right Permit No. G4-34953

Property Owner Name Art DenHoed

Unique Ecology Well ID Tag No. AHP77

Dept. of

Date 6-23-05

Ecology is an Equal Opportunity Employer.

Central Reg

Registration No BJEXPCI132QK

Contractor's

II TRAINEE,

Driller's Signature

WATER WELL REPORT  Original & 1" copy - Ecology, 2" copy - owner, 3" copy - driller	CURRENT Notice of Intent No. W150756	ECEIVED
Original & 1" copy - Ecology, 2" copy - owner, 3" copy - driller  1 ( 0 1 0 6 7)  Construction/Decommission ("x" in circle)	Unique Ecology Well ID Tag No. AHP776	MAY 13 2024 DEPT
© Construction	Water Right Permit No. G4-34953 Cen	ept. of Fookly
Decommission ORIGINAL INSTALLATION Notice	Property Owner Name Art DenHoed	rai Regional Office
of Intent Number	Well Street Address 62002 N. Missimer Rd	
PROPOSED USE: Domestic Industrial Municipal	WANTED AND THE CONTROL OF THE CONTRO	
DeWater Ingation Test Well Other	City Grandview County Yakin	D 23 EWN VOFFICE
TYPE OF WORK: Owner's number of well (if more than one)	Location Sw 1/4-1/4 Sc 1/4 Sec 5 Twn 101	K or carde
New well Reconditioned Method: Dug Bored Driven Deepened 1174-9719 Cable Rotary Jetted	Lat/Long (s, t, r Lat Deg La	WWM L
DIMENSIONS: Diameter of well 12" inches, drilled 1718' ft.	Still REQUIRED) Long DegLo	ong Min/Sec
Depth of completed well 1718 ft.		
CONSTRUCTION DETAILS  Casing  Welded 24" Diam from +1 ft to 105' ft	Tax Parcel No.	
Casing Installed:          ☑ Welded 24"         ☐ Uner installed 16"         ☐ Threaded 12"         ☐ Threaded 12"         ☐ Diam from +1 ft to 105!         ☐ the to 323!         ☐ the to 725!         ☐ the to 725!	CONSTRUCTION OR DECOMMISSIO	N PROCEDURE
Threaded 12" Diam from +1 ft. to 725' ft	Formation: Describe by color, character, size of material and	A TO SEE THE SECOND SEC
Perforations: Yes No Type of perforator used	nature of the material in each stratum penetrated, with at least information. (USE ADDITIONAL SHEETS IF NECE	t one entry for each change of
SIZE of perfs in by in and no of perfs from ft. toft	MATERIAL	FROM TO
Screens: Yes No K-Pac Location	Very hard light gray basalt	1242 1360
Manufacturer's Name	Med. soft gray green claystone	1360 1361
Type         Model No.           Dium.         Slot size         from         ft. to         ft.	Soft porus dark gray basalt 310psi	1361 1368
Diam.         Slot size         from         ft. to         ft.           Diam.         Slot size         from         ft. to         ft.	Med. hard dark gray basalt	1368 1376
Gravel/Filter packed: Yes No Size of gravel/sand ft. to ft.	Hard gray basalt	1376 1405
Materials placed fromft. toft.	Black & some reddish brown visicular basalt soft	
Surface Seal: Yes No To what depth? 725' it	water 410 psi 80 deg	1405 1439
Material used in seal cement	Hard gray basalt some fractured	1439 1524
Did any strata contain unusable water?	Med. soft dark gray porus basalt 430 psi 88deg	1524 1543
Type of water Depth of strata	Med. hard dark gray porus basalt	1543 1573
Method of sealing strata off	Hard gray basalt	1573 1633
PUMP: Manufacturer's Name	Med. soft black porus basalt trace of white quartz	1633 1647
	Med. hard dark gray basalt	1647 1665
WATER LEVELS: Land-surface elevation above mean sea levelft.  Static levelft. below top of well Date	Soft black porus basalt trace of some quartz	
Artegian pressure the Date	water 500gpm	1665 1700
Artesian water is controlled by	Hard gray basalt 1718 TD - 500 psi 90degrees	1700 1718
(cap, valve, etc.)	1718 1D - 300 psi 90degices	
WELL TESTS: Drawdown is amount water level is lowered below static level		
Was a pump test made? Yes No If yes, by whom?		<del>                                     </del>
Yield: gal/min. with ft. drawdown after hrs. Yield: gal/min. with ft. drawdown after hrs.	12" pipe 725'	
Yield: gal/min. with ft. drawdown after hrs.	11 7/8" to 945'	
Recovery data (time taken as zero when pump turned off) (water level measured from well	9 7/8" to 1718	
top to water level) Time Water Level Time Water Level Time Water Level		
The Wall bottom in the Wall bottom		
Date of test		
Bailer testgal./min. withft, drawdown afterhrs.		
Airtest 2000 gal/min. with stem set at 1700 ft. for 1 hrs.		
Artesian flow g.p.m. Date		
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No		L
	Start Date 4-8-05 Complete	ed Date <u>5-25-05</u>
WELL CONSTRUCTION CERTIFICATION: I constructed and/or acc	cept responsibility for construction of this well, and	l its compliance with all
Washington well construction standards. Materials used and the information	on reported above are true to my best knowledge at	nd belief.
□ Driller □ Engineer □ Trainee Name (Print) Larry McLanahan	Drilling Company BJ Exploration Co., Inc	The second secon
Driller/Engineer/Traince Signature	Address 404 N. Conway Street	
Driller or trainee License No 0337	City, State, Zip Kennewick, WA 99336	

Driller/Engineer/Trainee Signature	Address 404 N. Conway Street
Driller or trainee License No 0337	City, State, Zip Kennewick, WA 9
II TRAINEE,	Contractor's
Driller's Licensed No.	Registration No BJEXPC1132QK
Driller's Signature	00000000000000000000000000000000000000

Drilling Compa	ny BJ Exploration Co., Inc	
Address 404 N	l, Conway Street	
City, State, Zip	Kennewick, WA 99336	
Contractor's		1 2
Registration No	BJEXPCI132QK	Date 6-23-05

Ecology is an Equal Opportunity Employer



RECEIVED

MAY 13 2024

Dept. of Ecology Central Regional Office

# STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

15 W Yakima Ave, Ste 200 · Yakima, WA 98902-3452 · (509) 575-2490

Sunnyside South Ranch Arthur den Hoed 62002 Missiner Rd. Grandview, WA 98930

Re: Emergency Drought Authorization No. G4-34953-15

In accordance with the provisions of RCW 43.83B.405, on March 17, 2015, the Director of the Department of Ecology (Ecology) ordered and determined that the Yakima Basin is under drought conditions. Pursuant to WAC 173-166-070, Ecology is issuing this EMERGENCY DROUGHT AUTHORIZATION. The intent of this authorization is to alleviate hardships and reduce the burdens on water users arising from the drought conditions.

THIS AUTHORIZATION SHALL IN NO MANNER BE CONSTRUED TO GUARANTEE OR IMPLY THAT A FINAL (REGULAR) PERMIT WILL ISSUE FOR THE FUTURE USE OF WATER HEREIN AUTHORIZED.

### The terms of your authorization are as follows:

Total Quantity in acre-feet:	298.3
Well Location:	SE%SW% Section 5, T. 10 N., R. 23 E.W.M.
Place of Use:	310.7 acres within the S½ Section 5 and N½ Section 8 of T. 10 N., R. 23 E.W.M.
Parcels:	231005-42002, 231005-41001, 231005-43002, 231005-31001, 231008-21001, and 231008-23001

# This Temporary Emergency Drought Authorization expires December 31, 2015. Provisions:

Use of water under this authorization is contingent upon the applicant's entry into and compliance with a cost-share agreement (Agreement) with Ecology. Failure to comply with the terms of the Agreement will result in cancellation of this authorization.

An approved measuring device must be installed and maintained for each of the sources identified in this temporary authorization in accordance with the rule "Requirements for Measuring and Reporting Water Use", WAC 173-173, which describes the requirements for data accuracy, device installation and operation, and information reporting.

Every two weeks, readings of the flow meter shall be recorded and maintained by the applicant. These readings shall be documented by time, date, withdrawal rate, and cumulative amount withdrawn. Copies of these records shall be submitted to Ecology by November 15, 2015.

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the project location, and to inspect at reasonable times, records of water use, wells, diversions, measuring devices and associated distribution systems for compliance with this authorization.

All wells constructed in the state shall meet the "Minimum Standards for the Construction and Maintenance of Wells" (WAC 173-160) and "Water Well Construction" (RCW 18.104). In general, wells shall be located at least 100 feet from sources of contamination and at least 1,000 feet of the boundary of

empidicos



Sunnyside South Ranch Arthur den Hoed Page 2 of 2



MAY 13 2024

a solid waste landfill. Any well which is unusable, abandoned, or is an environmental, safety of photogy health hazard shall be decommissioned.

Water may be used under this authorization only in relation to previously established activity as defined by Chapter 173.166 WAC. This authorization only authorizes a supplemental water supply to the applicant's normal source of water.

This authorization may be terminated, in whole or in part, whenever withdrawals conflict with the flows protected by RCW 43.83B.410(1)(a)(iii), or whenever the provisions of this authorization are violated.

### YOUR RIGHT TO APPEAL

You have a right to appeal this decision to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt of this decision. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of this decision:

- File your appeal and a copy of this decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this decision on Ecology in paper form by mail or in person.
   (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

### ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses		
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608		
Pollution Control Hearings Board 1111 Israel Road SW Ste 301 Tumwater, WA 98501	Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903		

For additional information visit the Environmen	ntal Hearings	Office Website:	http://www.eho.wa.	<u>gov</u>
To find laws and agency rules visit the Washing	ton State Leg	islature Website:	http://www.leg.wa	.gov/CodeReviser
Signed at Yakima, Washington, this	28	day of	May	2015.

Sage Park, Section Manager Water Resources Program Department of Ecology

SP:TP:JR

150522/WR ID: 4223568

Enclosures:

Your Right To Be Heard

Flow Meter Requirements