

**CLAIM OF
BENEFICIAL USE
for Transfer New or Additional
POA Only**



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 any Transfer final orders **OWRD including a water right with a priority date of July 9, 1987, or later.**

Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

The water right involved in the transfer has a priority date of October 31, 1977; the fee is not required.

A separate form shall be completed for each transfer.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

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**

Type of Authorized Change

This Claim is being submitted for a transfer where the only authorized change was a change in point(s) of appropriation or additional point(s) of appropriation, or a combination of both.

If additional changes were authorized, you will need to select a different form.

1. File Information

APPLICATION # T-13887

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME City of Baker City		PHONE NO. 541-523-6541	ADDITIONAL CONTACT NO.
ADDRESS PO Box 650			
CITY Baker City	STATE OR	ZIP 97814	E-MAIL bcpwdirector@bakercity.gov

If the current property owner is not the transfer holder of record, it is recommended that an assignment be filed with the Department. ***Each transfer holder of record must sign this form.***

3. Transfer holder of record (this may, or may not, be the current property owner)

TRANSFER HOLDER OF RECORD City of Baker City		
ADDRESS PO Box 650		
CITY Baker City	STATE OR	ZIP 97814

4. Date of Site Inspection:

9/25/2024

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Scott Foss	9/25/2024	Water System Operator

6. County:

Baker

7. If any property described in the place of use of the transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD N/A		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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**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.



CWRE NAME Trevor Grandy		PHONE NO. 971-200-8545	ADDITIONAL CONTACT NO.
ADDRESS GSI Water Solutions, Inc., 147 Sw Shevlin Hixon Dr. Suite 201			
CITY Bend	STATE OR	ZIP 97702	E-MAIL tgrandy@gsiws.com

Transfer Holder of Record Signature or Acknowledgement

Each transfer 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
	Joyce Bornstedt	Public Works Director	12/04/2024

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SECTION 3
CLAIM DESCRIPTION

Note: The Claim only needs to describe the new or additional point(s) of appropriation. This Claim does not need to provide information for the original point(s) of appropriation unless the original point of appropriation is either a new or additional point of appropriation on another right involved in this transfer.

1. New or additional point of appropriation name or number:

POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)	SOURCE (IF LISTED IN TRANSFER FINAL ORDER)
ASR 2	BAKE 52777	L-128841	Well in Powder River Basin

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

If well logs are available, items A and B below can be deleted

2. Variations:

Was the use developed differently from what was authorized by the transfer final order, or extension final? **NO**

If yes, describe below.

(e.g. "The order allowed three new/additional points of appropriation. The water user only developed one of the points.")

3. Claim Summary:

NEW OR ADDITIONAL POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED
ASR 2	0.53 cfs	2.66 cfs	1.67 cfs

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SECTION 4

SYSTEM DESCRIPTION

Are there multiple new or additional Points of Appropriation (POA)?

NO

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

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

A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Goulds	SWT-FFTM 12 FDHC	4964645	Turbine	14-inch	10-inch

2. Motor Information

MANUFACTURER	HORSEPOWER
Nidec Motor Corporation	200 Hp

3. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *If A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
200 Hp	48.8 psi	105 ft	N/A	2.66 cfs

4. Provide pump calculations:

$Q_{\text{pump}} = (\text{Hp})(\text{efficiency}) / (\text{lift} + \text{psi head})$
 Turbine efficiency = 7.04 ft⁴ lb/sec/Hp (figure provided by OWRD)
 (48.8 psi)(2.54 ft of head/psi) = 124 ft of head
 (200)(7.04) / (105 + 124) = **6.15 cfs**
 6.15 cfs x 448.8 gpm/cfs = **2,760 gpm**
 (See Attachment C pump capacity calculation sheets)

5. 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)
1.407 MG	1.410 MG	4 minutes	1.67 cfs (750 gpm)

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

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B. Groundwater Source Information (Well and Sump)

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

NO

If "NO", items 4 through 6 relating to this section may be deleted.

C. Additional notes or comments related to the system:

ASR 2 is a City Aquifer Storage and Recovery well. The system includes separate meters for injection, purge water pumped to a nearby golf course pond, and water pumped to the City's distribution system.

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**SECTION 5
CONDITIONS**

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

1. Time Limits:

Describe how the water user has complied with each of the development timelines established in the transfer final order and any extensions of time issued for the transfer:

	DATE FROM TRANSFER	DATE THE NEW AND/OR ADDITIONAL POA(S) WERE READY FOR USE *THIS DATE MUST FALL BETWEEN THE "ISSUANCE DATE" AND THE "COMPLETENESS DATE"
ISSUANCE DATE	6/10/2024	
COMPLETENESS DATE FROM ORDER (C)	10/1/2025	9/25/2024

* MUST BE WITHIN PERIOD BETWEEN TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETE THE CHANGE

2. Is there an extension final order(s)?

NO

If "NO", you may delete the following table.

3. Measurement Conditions:

a. Does the transfer final order, or any extension final order require the installation of a meter or other approved measuring device? **YES**

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

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 appropriation.

b. Has a meter been installed?

YES

c. Meter Information

POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
ASR 2 - Distribution	Endress+Hauser	T106FC16000	Working	1.493 MG	April 2022
ASR 2 - Purge/pond	Endress+Hauser	T106FB16000	Working	1.407 MG	April 2022
ASR 2 - Injection	Endress+Hauser	T2014E16000	Working	0.006 MG	April 2022

If a meter has been installed, items d through f relating to this section may be deleted.

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4. Recording and reporting conditions

a. Is the water user required to report the water use to the Department? **NO**

If "NO", item b relating to this section may be deleted.

5. Other conditions required by the transfer final order or extension final order:

a. Were there special well construction standards? **NO**

b. Was submittal of a ground water monitoring plan required? **NO**

c. Other conditions? **YES**

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

Transfer Final Order Condition 4:

The quantity of water diverted at the new additional point of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.

The quantity of water diverted at the original point of appropriation together with that diverted at the new additional point of appropriation does not exceed the quantity of water available at the original point of appropriation.

Transfer Final Order Condition 6:

Water shall be acquired from the same aquifer (water source) as the original point of appropriation.

ASR 2 appropriates water from the same source as the original point of appropriation.

SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Attachment A	Claim of Beneficial Use Map
Attachment B	ASR 2 Well Log – BAKE 52777
Attachment C	Theoretical Pumping Calculations
Attachment D	Transfer T-13887 Final Order

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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 polyester 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.

For the purpose of this Claim, the map identifying the location of the place of use does not require a new survey. The location of the place of use identified on the Claim map should be based on the original right of record at the time the transfer final order was issued. In transfers approved for additional points of appropriation, the original points must be identified the map based on the original right of record at the time the transfer final order was issued.

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.

The City of Baker City (City) is a municipal water supplier with a good understanding of their components and component locations. During the site inspection the CWRE did not independently survey the system component locations. The COBU map was created by GSI Water Solutions, Inc. mapping staff using Geographic Information System (GIS) software and spatial datasets provided by the City. The georeferenced data sources used in creating the COBU map are described on the map. Additional data and information specific to the City's wells, place of use, and the permittee's use of water under the water right described in this Claim of Beneficial Use report were obtained from the City.

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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.)

- Map on polyester film
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- N/A** Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.) ***Not required for this type of Claim of Beneficial Use**
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature

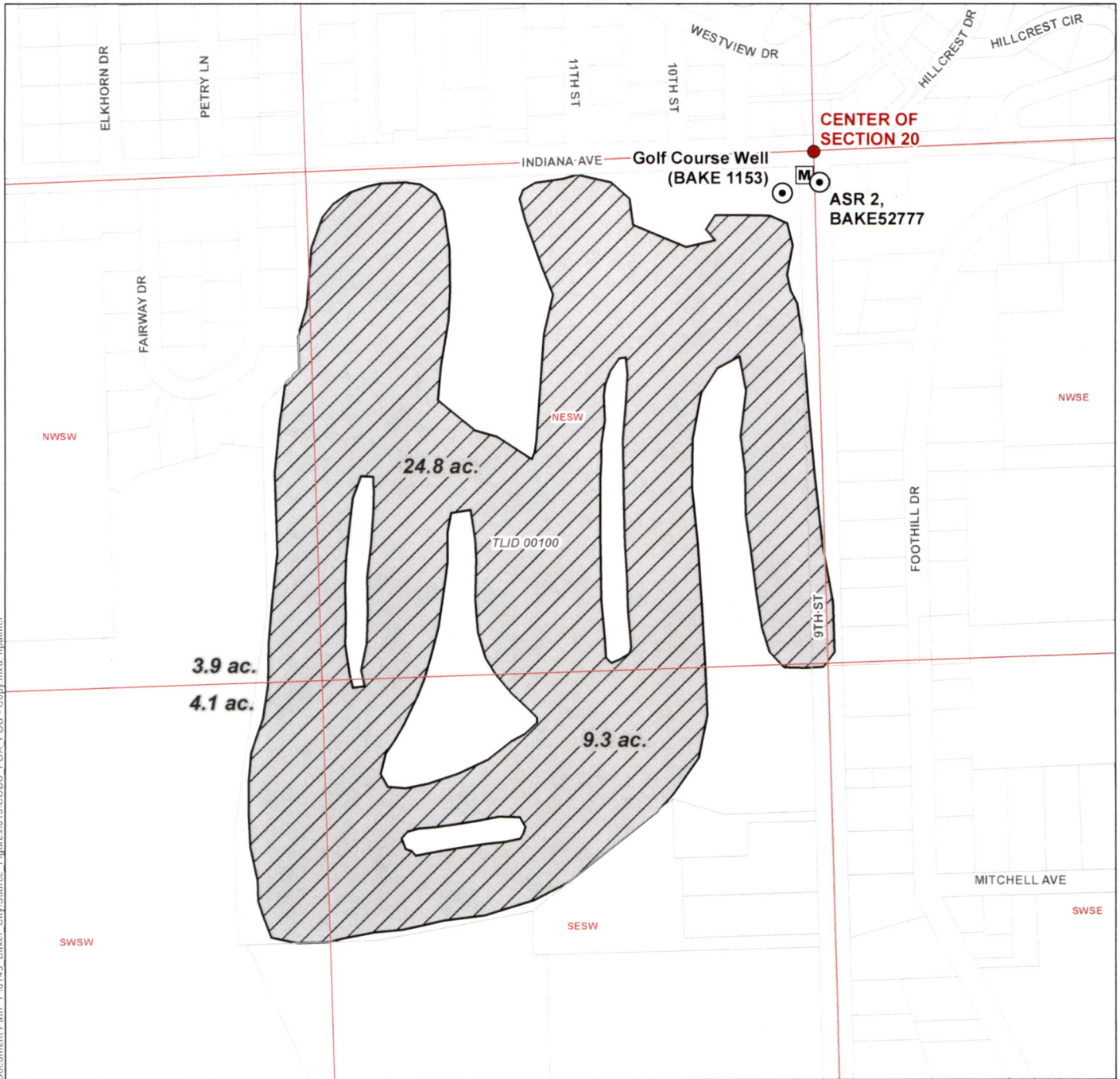
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Attachment A







Claim of Beneficial Use Map

Claim of Beneficial Use for Transfer T-13887 - City of Baker City



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LEGEND

-  Authorized Point of Appropriation (POA)
-  Flow Meter
-  Place of Use (POU)
-  Tax Lot
-  Watercourse
-  Waterbody

**Claim of Beneficial Use
City of Baker City
Points of Appropriation and Place of Use**

Application G-8510, Transfer T-13887
Township 9 South, Range 40 East (W.M.)

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CERTIFIED WATER RIGHTS EXAMINER STAMP

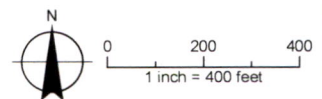


POA LOCATION DESCRIPTION

ASR 2, BAKE 52777: Located 64 feet South and 21 feet East from the center of Section 20, Township 9 South, Range 40 East (W.M.)
Golf Course Well (BAKE 1153): Located 100 feet South and 100 feet West from the center 1/4 of Section 20, Township 9 South, Range 40 East (W.M.)

DISCLAIMER
This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Date: November 15, 2024
Data Sources: BLM, ESRI, OWRD, USGS



BAKE 52777

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

WELL I.D. LABEL# L 128841
START CARD # 216491
ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D. ASR 2

First Name _____ Last Name _____
 Company _____ City of Baker City _____
 Address _____ PO Box 650 _____
 City Baker City State OR Zip 97814

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing	Dia	From	To	Gauge	Stl	Plstc	Wld	Thrd

Material _____ From _____ To _____ Amt _____ sacks/lbs

(3) DRILL METHOD

Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other _____

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
 Depth of Completed Well 654 ft.

BORE HOLE

Dia	From	To	Material	From	To	Amt	sacks/lbs
30	0	10	3/8 bentonite chip	0	40	135	sk
24	10	106				Calculated	120
20	106	317	Cement	40	312	757	sk
16	317	654				Calculated	291

How was seal placed: Method A B C D E
 Other _____ pour and probe bentonite chips
 Backfill placed from _____ ft. to _____ ft. Material _____
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount	Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	16	3	313	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12	304	313	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12	343	364	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12	399	408	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12	458	479	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

(7) PERFORATIONS/SCREENS Perforations Method _____
 Screens Type Vshaped Wire Wrap Material 304SS

Perf/ Screen	Casing/ Liner	Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/ pipe size
Scr	Liner	12	313	343	150			PS
Scr	Liner	12	364	399	150			PS
Scr	Liner	12	408	458	150			PS
Scr	Liner	12	479	509	150			PS
Scr	Liner	12	538	568	150			PS

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
2045	19		72

Temperature 66 °F Lab analysis Yes By _____
 TDS amount 195
 Description _____ Amount _____ Units _____
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(9) LOCATION OF WELL (legal description)
 County Baker Twp 9 S N/S Range 40 E E/W WM
 Sec 20 NE 1/4 of the SW 1/4 Tax Lot 100
 Tax Map Number _____ Lot _____
 Lat _____ " or _____ DMS or DD
 Long _____ " or _____ DMS or DD
 Street address of well Nearest address

2801 Indiana Ave, Baker City, OR 97814

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration	Date	SWL (psi)	+ SWL (ft)
Completed Well	7/21/2021		86

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 245 *

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
3/19/2021	245	299	n/m		n/m
3/19/2021	329	654	2000+		86

(11) WELL LOG Ground Elevation _____

Material	From	To
Gravel 3/4 minus with soil	0	3
Gravel 3" minus with sand, tan, partially cemented	3	9
Sand, tan, fine to medium, with some clay, tan	9	25
Clay, brown, dry, silty	25	30
Clay, tan, sandy	30	90
Clay, blue and green, silty	90	150
Clay, blue and green, silty with layers of clay, sandy	150	210
Clay, grey, medium	210	245
Basalt, dark grey, medium, fractured, some vesicles	245	259
Basalt, black and grey, medium, fractured, vesicular	259	269
Basalt, black medium, some fractures and vesicular	269	279
Basalt, black w/red, med, fractured, vesi, w/claystone, blue	279	289
Basalt, black, fractured, vesicular, some claystone, blue	289	299
Basalt, black, fractured, some vesicular w/some claystone, blue	299	314
Basalt, red and brown, medium, fractured, vesicular	314	319
Basalt, blk, med, frac w/vesicles of basalt, red, med frac, vis. Sign & grey claystone	319	399
Basalt, grey, medium, some fractures	399	409
Basalt, blk, med, hard frac, visi, w/blue claystone, s/basalt, red, med	409	429
Basalt, red and brown, med vesicular w/claystone, blue	429	433

Date Started 10/14/2021 Completed 7-21-2021

(unbonded) Water Well Constructor Certification
 I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
 License Number 2033 Date 8-16-2021
 Signed _____

(bonded) Water Well Constructor Certification
 I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
 License Number 1988 Date 8-16-2021
 Signed _____
 Contact Info (optional) _____

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Attachment B

ASR 2 Well Log - BAKE 52777

Claim of Beneficial Use for Transfer T-13887 - City of Baker City

BAKE 52777

WATER SUPPLY WELL REPORT -
continuation page

WELL I.D. LABEL# L 128841
START CARD # 216491
ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material		From	To	Amt sacks/lbs				

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL			sacks/
Dia	From	To	Material	From	To	lbs
						Calculated
						Calculated
						Calculated
						Calculated

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	12		509	538	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	12		568	589	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	12		649	654	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scr slot width	Slot length	# of slots	Tele/ pipe size
		12	589	649	150			PS

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

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

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

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

(11) WELL LOG

Material	From	To
Basalt, grey and brown, medium, some fractured and vesicular	433	434
Basalt, grey, medium, some fractured	434	439
Basalt, grey and brown, medium, some fractured	439	464
Basalt, grey, medium, fractured, some vesicular	464	478
Basalt, brown and grey, medium, fractured, vesicular	478	518
Basalt, grey & brown, med, frac, vesic, w/some claystone blue	518	543
Basalt, brown, medium, fractured, vesicular, with claystone, blue	543	548
Basalt, grey and brown, med, fract, vesicular, w/claystone blue	548	563
Basalt, red & grey, med, fract, vesic w/claystone, blue & green	563	573
Basalt, brown & grey, med, fract, vesic, w/claystone, blue & green	573	588
Basalt, red and brown, med, vesicular, frac, with claystone, blue	593	633
Basalt, grey & brown, med, vesic & fractured, w/claystone blue	633	648
Basalt, red & bm, med, vesic, fract, w/claystone blue & basalt, grey	648	654

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Comments/Remarks

- 3/8 steel plate bottom.
 - Screen assembly has an ~6" offset at 647' and reduces ID to ~5".
 - Top of screen assembly has a J receiver used to set screen in place.

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Attachment C

Theoretical Pumping Calculation

Claim of Beneficial Use for Transfer T-13887 – City of Baker City

Pump Capacity Calculation Sheet

using Department designed formula:

ASR 2

$$(\text{hp})(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 200
Efficiency = 7.04
Lift = 105
PSI = 48.8

Results Calculated

(hp)(efficiency) = 1408
Head based on psi = 124.0 2.540416
Total dynamic head = 229.0
(head + lift)

Pump Capacity = 6.15 feet per second

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Attachment D

Transfer T-13887 Final Order

Claim of Beneficial Use for Transfer T-13887 – City of Baker City

respond. The applicant requested that the Department proceed with issuance of a Preliminary Determination and provided the necessary information to demonstrate that the applicant is authorized to pursue the transfer.

6. On April 19, 2024, the Department issued a Preliminary Determination proposing to approve Transfer Application T-13887 and sent a copy to the applicant. Additionally, notice of the Preliminary Determination for the transfer application was published in the Department's weekly notice on April 23, 2024, pursuant to ORS 540.520 and OAR 690-380-4020. No protests were filed in response to the notice.

7. The right to be transferred is as follows:

Certificate: 54983 in the name of CITY OF BAKER CITY (perfected under Permit G-7830)
Use: SUPPLEMENTAL IRRIGATION of 42.1 ACRES
Priority Date: OCTOBER 31, 1977
Rate: 0.53 CUBIC FOOT PER SECOND
Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 3 acre-feet per acre for each acre irrigated during the irrigation season of each year.
Source: A WELL within the POWDER RIVER BASIN

Authorized Point of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
9 S	40 E	WM	20	NE SW	A WELL - 100 FEET SOUTH AND 100 FEET WEST FROM THE C1/4 CORNER OF SECTION 20

Authorized Place of Use:

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
9 S	40 E	WM	20	NE SW	24.8
9 S	40 E	WM	20	NW SW	3.9
9 S	40 E	WM	20	SW SW	4.1
9 S	40 E	WM	20	SE SW	9.3
TOTAL					42.1

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8. Transfer Application T-13887 proposes an additional point of appropriation approximately 30 feet southwest from the existing point of appropriation to:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
9 S	40 E	WM	20	NW SE	ASR2 - 64 FEET SOUTH AND 21 FEET EAST FROM THE CENTER OF SECTION 20

Transfer Review Criteria (OAR 690-380-4010)

9. There is no information in the record that would demonstrate that the right is subject to forfeiture under ORS 540.610.
10. A pump, pipeline, and sprinkler system sufficient to use the full amount of water allowed under the existing right were present within the five-year period prior to submittal of Transfer Application T-13887.
11. The proposed change, as conditioned, would not result in enlargement of the right.
12. The proposed change, as conditioned, would not result in injury to other water rights.
13. All other application requirements are met.

Conclusions of Law

The additional point of appropriation proposed in Transfer Application T-13887 is consistent with the requirements of ORS 537.705 and 540.505 to 540.580 and OAR 690-380-5000. If protests are not filed pursuant to OAR 690-380-4030, the application will be approved.

Now, therefore, it is ORDERED:

1. The additional point of appropriation proposed in Transfer Application T-13887 is approved.
2. The right to the use of the water is restricted to beneficial use at the place of use described and is subject to all other conditions and limitations contained in Certificate 54983 and any related decree.
3. Water right Certificate 54983 is cancelled.
4. The quantity of water diverted at the new additional point of appropriation, together with that diverted at the original point of appropriation, shall not exceed the quantity of water lawfully available at the original point of appropriation.
5. 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 point of appropriation (both old and new).
 - 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.

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6. Water shall be acquired from the same aquifer (water source) as the original point of appropriation.
7. Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2025**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.
8. After satisfactory proof of beneficial use is received, a new certificate confirming the right transferred will be issued.

Dated in Salem, Oregon on **JUN 10 2024**



Lisa J. Jaramillo, Transfer and Conservation Section Manager, for
DOUGLAS E. WOODCOCK, ACTING DIRECTOR
Oregon Water Resources Department

Mailing Date: **JUN 11 2024**

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December 4, 2024

Oregon Water Resources Department
ATTN: Mr. Gerry Clark
725 Summer Street NE, Suite A
Salem, OR 97301

Subject: Claim of Beneficial Use for Transfer T-13387 - Application G-8510
City of Baker City

13387

Dear Gerry:

This Claim of Beneficial Use (COBU) is submitted on behalf of the City of Baker City (City) for Transfer T-13387. The water user has fully developed the changes approved in the transfer final order and is in compliance with all conditions included in the transfer final order.

If you have any questions regarding the enclosed COBU, please call me at (971) 200-8545.

Sincerely,

A handwritten signature in blue ink, appearing to read "Trevor Grandy".

Trevor Grandy, RG, CWRE
GSI Water Solutions, Inc.

Enclosures: Claim of Beneficial Use for Transfer T-13387

CC: Joyce Bornstedt, City of Baker City.

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