

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34820

Exam Date: 04/28/2025

1. Current Owner:
JIM SCHWARTZ 3500 ELMORE RD PARMA ID 83660-6201 OR
MARTHA SCHWARTZ 3500 ELMORE RD PARMA ID 83660-6201
2. Accompanied by: Jim and James Schwartz
Phone No: (208) 739-3819
Address: 3500 Elmore Rd, Parma, ID 83660
Relationship to permit Holder: same

3. SOURCE:

GROUND WATER

Method of Determination: Beneficial use exam and Department records

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
63-30203	Groundwater	Domestic, Stockwater	Decreed
63-2878	Elijah & Wilson Drain	Irrigation	Decreed
63-2322	Elijah & Wilson Drain	Irrigation	Decreed
63-2433	Payette River	Irrigation	Decreed

Comments: Black Canyon Irrigation District/Bureau of Reclamation water rights provide surface water to the property.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
63-30203	Groundwater	Domestic, Stockwater	Decreed

Comments: This is the property owners domestic well and is not connected to 63-34820 point of diversion.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L4 (NW¼ NW¼), Sec. 1, Twp 06N, Rge 05W, B.M. PAYETTE County

Method of Determination: Well permit records, field examination, and aerial imagery

PLACE OF USE: COMMERCIAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06N	05W	1						X L4											
07N	05W	36												X L3					

PLACE OF USE: COMMERCIAL STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

06N	05W	1							X L4										
07N	05W	36												X L3					

PLACE OF USE: FISH PROPAGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06N	05W	1						X L4											
07N	05W	36											X L3						

PLACE OF USE: FISH PROPAGATION STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06N	05W	1						X L4											
07N	05W	36											X L3						

Method of Determination: Aerial Imagery, ArcMap Tools, and observation during field exam.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X Indicate weir size/pipe as applicable.

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0104103	Wolf	20	G27538E	Wolf	4"

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
In line flow meter	Electromagnetic	GloTech Corporation	GEM	GEM23040541	4"	11.2023

2. Measurements:

Meter Type: GloTech Corporation 4" GEM Series Flow Meter

Meter Reading: 329.00 gpm
0.733 cfs

E. FLOW CALCULATIONS X Additional Computation Sheets Attached

Measured Method:

Theoretical Calculation for 20 Hp Wolf Submersible 4" Pump

Estimating 75% efficiency $Q = (8.8) \times (20 \text{ Hp}) \times 75\% / [(179 \text{ ft}) + (0 \text{ psi} \times 2.31)] = 0.74 \text{ cfs}$ or 330.9 gpm

Performance curves for the Wolf could not be obtained.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$

2. Volume Calculations for Other Uses:

Volume Calculations by Individual Pond

	Pond 1	Pond 2	Pond 3	Pond 4	Total
Area (ac)	1.25	0.1	2.85	0.3	4.5
Max Depth (ft)	6.0	5.0	13.0	9.0	8.3
Av Depth (ft)	2.4	2.0	5.2	3.6	3.3
Capacity (af)	3.0	0.2	14.8	1.1	19.1
Seepage (af)	1.4	0.1	3.1	0.3	4.9
Evaporation (af)	2.6	0.2	5.8	0.6	9.2
Total Volume (AF)	6.9	0.5	23.7	2.0	33.1

Volume Calculations Aggregated

	All Ponds
Area (ac)	4.5
Max Depth (ft)	13.0
Av Depth (ft)	5.2
Capacity (af)	23.4
Seepage (af)	4.9
Evaporation (af)	9.2
Total Volume (AF)	37.5

Total Volume (V) = Pond Surface Area x Average Depth + Seepage and Evaporation

 $V = 4.5 \text{ acres} \times 5.2 \text{ ft} + (4.9 \text{ AF} + 9.2 \text{ AF}) = 37.5 \text{ AF}$

Total Volume Required = 37.5 AF

G. NARRATIVE/REMARKS/COMMENTS

Jim and Martha Schwartz are the owners of permit 63-34820 for Irrigation, Commercial, Commercial Storage, Fish Propagation, Fish Propagation Storage, and Diversion to Storage in Canyon County. The proof of beneficial use was submitted on 4/7/2025 with an examination fee of \$125. A field exam was conducted on 4/28/2025. Jim Schwartz and his son James Schwartz accompanied the water resource agent on the field exam. Jim and Martha Schwartz are the owners of the property therefore a change of ownership is not necessary.

Schwartz Sturgeon Pond also known as Poor Fish Ranch is a commercial enterprise that provides clients with opportunities to catch sturgeons. Mr. Schwartz claims that there are 300,000 fish ranging from 12 inches to 8 feet long in the pond. He operates under a federal permit for catch and release fishing. Customers were observed fishing during the field exam.

The source of water for this permit is from an 8-inch well, tag #D0103103, located on the south end of the property above the A-Line Canal. A 20 HP Wolf submersible pump is set at 189 feet and discharges through a 4-inch steel pipe and then into a 4-inch plastic (pvc) pipe. The pipe necks up to a 6-inch pvc and finally into an 8-inch pvc. This pipeline extends for approximately 300-feet and finally open discharges through an 8-inch pipe into a small pond. The ponds are filled from shares delivered by the A-Line canal which enter the pond system from the northeast end of the largest pond near the center of the property. Open ditches connect all four ponds.

The system is equipped with an inline electromagnetic flowmeter manufactured by GloTech Corporation model GEM 23040541, the calibration date on the meter was 11/2023. Since the system is open discharge and the pipes quickly neck up in size, an accurate field measurement could not be obtained because the pipe was not full. The theoretical pump rate for a 20 hp Wolf pump operating at 75% efficiency, set at 189 feet with open discharge is 330.9 gpm or 0.74 gpm.. The highest observed measurement on the GEM flowmeter with the valve fully opened was 328.86 gpm or 0.73 cfs. Therefore, I am recommending the highest measurement that I observed on the GEM inline flowmeter, the rounded rate of 329 gpm or 0.73 cfs.

The permit authorized four (4) ponds with a total surface area of 7.3 acres. The right authorized a total capacity not to exceed 67.2 af and 23.3 af for replacement losses with of total capacity 90.5 af for commercial storage and fish propagation storage. The original pond loss calculations were based on an overall average depth of 9.2 feet. Further, the permit authorized the diversion of 0.26 cfs for irrigation of 13.0 acres and diversion of 1.1 cfs for commercial and fish propagation uses.

During the field examination four ponds were found with a total surface area of 4.5 acres. All ponds were irregular in shape with varied bottoms. The largest pond had a maximum depth of thirteen (13) feet. Using the Department pond loss spreadsheet a total capacity of 23.4 af and 14.1 af for replacement losses with of total capacity 37.5 af were calculated. Since the initial calculations were done as an aggregate value of all ponds, the water right agent stayed with the aggregate value for consistency and given the physical characteristics of the ponds. Therefore, I am recommending a total capacity not to exceed 23.4 af and 14.1 af for replacement losses with of total capacity 37.5 af for commercial storage and fish propagation storage. The irrigation of 13 acres was not developed therefore, I am removing the irrigation use and rate from the license. A flow through component was not developed during the development period, so the direct flow component for commercial and fish propagation were dropped from the license.

Condition 259 was updated to reflect change in volume. Removed conditions R65, 076 and 046. Condition 121 was updated to 103 as per department licensing standards.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
COMMERCIAL STORAGE	01/01 to 12/31		37.5 AF
FISH PROPAGATION STORAGE	01/01 to 12/31		37.5 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.73 CFS	
<u>Totals:</u>		0.73 CFS	37.5 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Allen Bradbury - Water Resource Agent, Senior

Field Examiner's Name Allen Bradbury Date 9/30/25

Reviewer [Signature] Date 10/7/25

Delivery System Diagram

Water Right No. 63-34820 Schwartz

- GW-Commercial (0.73 cfs), Commercial Storage (37.5 af),
Fish Propagation (0.73 cfs), Fish Propagation Storage (37.5 af), Diversion To Storage (0.73 cfs)

Total Surface Area: 4.5 ac
Total Capacity: 23.4 af



● Point of Diversion

□ Place of Use

0 0.05 0.1 Miles

63-34820 Schwartz Overlap Analysis - POU

63-34820 Schwartz Overlap Analysis - POD

06N05W1

63-34820 Schwartz Overlap Analysis - POU

Process	WR#	Draft	Owner	Source	P	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Acres
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	COMMERCIAL						X											
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	COMMERCIAL STORAGE						X											
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	DIVERSION TO STORAGE						X											
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	FISH PROPAGATION						X											
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	FISH PROPAGATION STORAGE						X											
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	IRRIGATION						13											13
Water Right	63-30203	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	DOMESTIC						X											
Water Right	63-30203	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POU	STOCKWATER						X											
Water Permit	63-33716	N	TMCO INC	GROUND WATER	POU	IRRIGATION	45	45	40	40	43	18	40	40	40	40	40	40	40	40		40	591
Water Right	63-11282	N	TMCO INC	GROUND WATER	POU	IRRIGATION	45	45	40	40	43	18	40	40	40	40	40	40	40	40		40	591
Water Right	63-2322	N	UNITED STATES OF AMERICA ACTING THROU	ELIJAH SLOUGH	POU	IRRIGATION						X	X		X	X	X	X		X			
Water Right	63-2322	N	UNITED STATES OF AMERICA ACTING THROU	WILSON SLOUGH	POU	IRRIGATION						X	X		X	X	X	X		X			
Water Right	63-2878	N	BLACK CANYON IRRIGATION DISTRICT	ELIJAH DRAIN	POU	IRRIGATION						X	X		X	X	X	X		X			
Water Right	63-2878	N	BLACK CANYON IRRIGATION DISTRICT	WILSON DRAIN	POU	IRRIGATION						X	X		X	X	X	X		X			
Water Right	63-7019	N	CHRISTENSEN, ARVES L; TMCO INC	GROUND WATER	POU	IRRIGATION	45	45	40	40	43	18	40	40	40	40	40	40	40	40		40	591
Water Right	63-7956	N	CHRISTENSEN, LAURITZ; NICHOLS, EDWIN C	GROUND WATER	POU	IRRIGATION	45	45	40	40	43	18	40	40	40	40	40	40	40	40		40	591
Water Right	65-2433	N	UNITED STATES OF AMERICA ACTING THROU	PAYETTE RIVER	POU	IRRIGATION						X	X		X	X	X	X		X			
Water Right	65-2900	N	BLACK CANYON IRRIGATION DISTRICT	TUNNEL NO 2 DRAIN	POU	IRRIGATION						X	X		X	X	X	X		X			

06N05W1

63-34820 Schwartz Overlap Analysis - POD

Process	WR#	Draft	Owner	Source	P	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Acres
Water Permit	63-34820	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POD						X	X											
Water Right	63-30203	N	SCHWARTZ, JIM; SCHWARTZ, MARTHA	GROUND WATER	POD							X											
Water Permit	63-33716	N	TMCO INC	GROUND WATER	POD			X								X	X						
Water Right	63-11282	N	TMCO INC	GROUND WATER	POD			X								X	X						
Water Right	63-7019	N	CHRISTENSEN, ARVES L; TMCO INC	GROUND WATER	POD			X								X	X						
Water Right	63-7956	N	CHRISTENSEN, LAURITZ; NICHOLS, EDWIN C	GROUND WATER	POD			X								X	X						

Total Storage Calculations

FILE NUMBER	63-34820
REVIEWER	AB
DATE	4/28/2025

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	4.5	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	5.2	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	23.4	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.
Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	4.9	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	9.2	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	37.5	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.

Flow Rate into Pond (CFS)	0.73	The "Flow Rate into Pond" depicts the actual flow, either measured or estimated, into the pond. For offstream facilities, this will be equivalent to "diversion to storage" rate.
Highest Daily Evaporation Rate From Evaporation Tab. (mm/Day)	4.09	This number is carried over from the "Evaporation Loss" sheet. It is the highest recorded number in the "Precipitation Deficit Table".
Required Daily Maintenance Volume (AF/Day)	0.07	"Required Daily Maintenance Volume" is the maximum volume of water needed on any given day during the year to maintain pond volume. It is calculated by adding the highest daily evaporation loss to the average daily seepage loss in acre feet. The average daily seepage loss is calculated by dividing the "Estimated Seepage Loss" by 365 days. This is acceptable, since the seepage rate shouldn't vary throughout the season unless the pond completely freezes over during the winter months. The highest daily evaporation loss is calculated by dividing the Highest Daily Evaporation Rate by the 304.8 conversion factor and multiplying this number by the pond surface area to attain a combined daily acre feet requirement.
Minimum Maintenance Flow (CFS)	0.04	The "Minimum Maintenance Flow" is the minimum amount of flow required to maintain the level of the pond. This number is determined by dividing the "Maximum Required Daily Maintenance Volume" by 1.9835. This flow can be used to determine if the flow rate into the pond is adequate to maintain the pond level.
Days Required to Fill the Pond	17	The "Days Required to Fill the Pond" is calculated by dividing the "Pond Capacity" by the "Flow Rate" minus "Minimum Maintenance Flow" multiplied by 1.9835. This section will assist you in determining if the flow rate being diverted to the pond is adequate to fill the pond while maintaining the pond level. The length of time to fill the pond will help determine if the flow rate is adequate for the size of pond being proposed. <i>If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond.</i>
Days Required to Fill the Pond at 13,000 Gallons per Day	-688	Some water users may want to fill a pond under the 13,000 gallons per day domestic exemption. The "Days Required to Fill the Pond at 13,000 Gallons per Day" is calculated by converting the "Pond Capacity" and the "Required Daily Maintenance Volume" to gallons. The "Pond Capacity" is then divided by 13,000 gallons minus the "Required Daily Maintenance Volume" in gallons to determine the number of days to fill pond. <i>If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond.</i> Negative values indicate that the supply of 13,000 gallons per day is not enough volume to overcome the required daily maintenance volume; the pond will never fill.

Evaporation Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the annual evaporation losses from a pond.

FILE NUMBER	63-34820
REVIEWER	AB
DATE	4/28/2025

User Input
Calculated value
Formula Explanations

The acronyms used on the Kimberly Research Center website are defined below:

P = Precipitation
ET= Evapotranspiration
P _d = Precipitation deficit
P _d =ET-P

USING THIS SPREADSHEET

Use the link below to access the Kimberly Research Center website. This website provides the Precipitation Deficit for a station most representative of the pond under examination. The Precipitation Deficit is the total amount of free water surface evaporation minus the precipitation for a given area, which gives the total amount of evaporative losses incurred by the pond. There are several weather sites that are used throughout the state. IDWR staff can find the nearest site using Arc Map. The shape file containing the sites can be found at <X:/Spatial/Climate/ETIdahostations.shp>.

Instructions:

1. Use the link below to navigate to ET Idaho 2012.
2. Select the station which is most representative to your pond location.
3. Click Submit Query.
4. Under "Land Covers with Evapotranspiration Estimates," select "Open Water - Shallow Systems (ponds, streams)" or "Open Water - small stock ponds" depending on the pond size.
5. Click the link to "Precipitation Deficit."
6. Reference and copy (ctrl + C) the first subheading "Mean" values.
7. Click the "Paste Values from ET Idaho" button. The table will automatically enter a zero (0) for any negative precipitation deficit values.

Found at: <http://data.kimberly.uidaho.edu/ETIdaho/>

Open water - shallow systems (ponds/streams)

Precipitation Deficit

Station: Parma Exp. Stn. (NWS -- USC00106844)

Month	mm/day ¹	Days per month	mm/Month
Jan	-0.64	31	0.00
Feb	0.08	28	2.24
March	0.91	31	28.21
April	2.06	30	61.80
May	2.54	31	78.74
June	3.38	30	101.40
July	4.09	31	126.79
August	3.61	31	111.91
September	2.46	30	73.80
October	1.20	31	37.20
November	-0.15	30	0.00
December	-0.66	31	0.00

PLEASE NOTE:

The seasonal average for precipitation deficit should not be used for calculations because precipitation often exceeds evaporation during wetter months of the year. If the pond is kept full, excess precipitation during wetter months does not serve to refill the pond during drier months.

For example, see Sandpoint KSPT (NWS -- 108137), the annual precipitation deficit is -106 mm. However, April through September have positive precipitation deficit values. To properly estimate the annual volume of water necessary to refill a pond due to evaporation losses, the table will automatically enter a zero (0) for each month that the precipitation value is reported as a negative value.

As described above, precipitation offsets evaporation in winter months, so the net effect is that wintertime precipitation deficit is usually zero.

Total mm/year = 622.09

$[(\text{mm/yr}) \div (\text{convert to feet})] \times (\text{Surface area of pond, in acres}) = \text{Evaporation Loss in Acre Feet}$

$$(622.09 \div 304.8) \times 4.50 = 9.2 \text{ AFA}$$

Seepage Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total annual seepage losses from a pond.

FILE NUMBER	63-34820
REVIEWER	AB
DATE	4/28/2025

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	4.5	AC.
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Pond Surface Area (SQ. FT.)	196020	SQ. FT.
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I used the following method to obtain my Soil Classification information:	PondSoils Layer in GIS
My Soil Classification is	CL
Suggested Seepage Rate (FT./DAY)	0.0030 FT./DAY

OwB—Owyhee silt loam, 1 to 3 percent slopes
Depth 37-60 Silt loam
CL-ML, CL

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss
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Convert to GPD	4399	GPD
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Total Seepage Loss (AFA)	4.9	AFA
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Though sand and gravel seepage rates may actually be higher, the maximum allowable rate is 0.2 ft/day, pursuant to Administrative Memo "Seepage Loss Standards for Ponds and Reservoirs."

Suggested Seepage Rates for Different Soil Types:
GW, GP, GM, GC, SW, SP and SM (silty sand, sand silt mixtures and gravel mixtures) = 0.2 ft per day
OL and ML (inorganic silts - very fine sands, silty, or clayey fine sands) = 0.02 ft per day
SC (clayey sands, sand clay mixtures) = 0.007 ft per day
CL (Low to medium plasticity clays) = 0.003 ft per day
MH, OH, PT and CH (high plasticity clays) = 0.0003 ft per day
LINED PONDS (liners can be chemical, fabric, or bentonite) = 0 ft per day
Ponds Intercepting Groundwater (excavated ponds filled by ground water) = 0 ft per day

PLEASE NOTE: The initial basis for the Suggested Seepage Rates in the table above is found on Page 16 of Seepage from Fish Ponds, Bulletin 599, August 1989 Alabama Agricultural experiment Station, Auburn University, Auburn University Alabama. If you don't know the soil type, please refer to the map provided at the NRCS Web Soil Survey (Tab #1), an ArcMap Soil Classification Map (Tab #1.1), or published NRCS Soil Survey (Tab #1.2). Use "0" if the pond fill relies on the water table.

COONSE WELL DRILLING & PUMP CO.,

P O Box 366
Middleton, ID 83644

Phone # (208) 454-0190

INVOICE

BILL TO:

JIM SCHWARTZ
3500 ELMORE RD.
PARMA, ID 83660

PAID
06/21/2024

DATE

INVOICE #

6/17/2024

211011

PROJECT		TERMS	DUE DATE
3500 ELMORE RD.		Due on receipt	6/17/2024
QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	20 HP WOLF 7CE5V-2STG 7.937 IMP-PUMP END-CODE MPD246, 20 HP 6" MOTOR 460 VOLT, 3PH, 3-WIRE-S/N G27538E		
1	20 HP STARTER PANEL W/HOA-460 VOLT W/ DISCONNECT		
189	4-IN BLK DROP PIPE		
190	#10/3 WG SUB PUMP CABLE		
105	#10 THHN WIRE		
35	#12 THHN WIRE		
20	1" PVC CONDUIT SCH40		
6	1" PVC CONDUIT -SCH 80		
2	4" FLOMATIC CHECK VALVE		
1	SPLICE KIT #8		
1	12"X4" FABRICATED DISCHARGE HEAD/FLANGED ENDS		
	4" WAFER CHECK VALVE		
	2" AIR VENT		
	4X12" SPOOLS W/PORTS		
	4" WAFER BUTTERFLY VALVE		
	BOLT & GASKET SETS		
	1 1/4" THREAD-O-LET		
1	MISC ELECTRICAL		
1	LABOR- INSTALL PUMP/WATER SYSTEM		
	ADDED ON		
1	4" GEM FLOW METER MODEL GEM23040541		
		0.00%	0.00

THANK YOU FOR YOUR BUSINESS!
PLEASE PAY BY THIS INVOICE.

Total

Payments Applied

Balance Due

\$0.00

Make all checks payable to: Coonse Well Drilling & Pump Co., Inc.
All past due accounts are subject to service charge of 1 1/2% per month or maximum permitted by law.

NOTE:THERE IS A 3.5% PROCESSING FEE ON CREDIT CARD PAYMENTS.

E-mail

office@coonsedrillingpump.com

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

1. WELL TAG NO. D 0104103
 Drilling Permit No. 915043
 Water right or injection well # 63-34820
2. OWNER:
 Name Jim and Martha Schwartz
 Address 3500 Elmore Rd.
 City Parma State ID Zip 83660
3. WELL LOCATION:
 Twp. 6 North ☒ or South ☐ Rge. 5 East ☐ or West ☒
 Sec. 1 1/4 NW 1/4 NW 1/4

 Gov't Lot 4 County Payette
 Lat. 43 ° 53.450 (Deg. and Decimal minutes)
 Long. -116 ° 53.434 (Deg. and Decimal minutes)
 Address of Well Site 3500 Elmore Rd.

 City Parma
 Lot. _____ Blk. _____ Sub. Name _____
4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other _____
5. TYPE OF WORK:
☐ New well ☐ Replacement well ☒ Modify existing well
☐ Abandonment ☐ Other _____
6. DRILL METHOD:
☐ Air Rotary ☒ Mud Rotary ☐ Cable ☐ Other _____
7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
3/4 bentonite	0	256	4000lbs	dry pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
8"	+2	293	.250	steel	☒	☐	☐	☒
8"	313	315	.250	steel	☒	☐	☐	☒
8"	335	336	.250	steel	☒	☐	☐	☒

 Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
9. PERFORATIONS/SCREENS:
 Perforations ☐ Y ☒ N Method _____
 Manufactured screen ☒ Y ☐ N Type alloy machine
 Method of installation placed

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
293	313	.020	---	8"	stainless	
315	335	.025	---	8"	stainless	

Length of Headpipe _____ Length of Tailpipe _____

 Packer ☐ Y ☒ N Type _____
10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
6-9 silica	256	336	5000lbs	tremie

11. FLOWING ARTESIAN:
 Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:
 Depth first water encountered (ft) _____ Static water level (ft) 100
 Water temp. (°F) 56degF Bottom hole temp. (°F) _____
 Describe access point well cap
Well test:

Drawdown (feet)	Discharge (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
1000+	45		☐	☐	☒	☐

Test method:

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
12"	162	185	med course dark brown sand	X	
"	185	209	tan clay		X
"	209	230	med fine tan sand	X	
"	230	235	tan clay		X
"	235	242	med fine tan sand	X	
"	242	247	tan clay		X
"	247	277	med course tan sand	X	
"	277	297	course and and pea gravel	X	
"	297	337	pea gravel	X	

RECEIVED
JUL 01 2024
**WATER RESOURCES
WESTERN REGION**

 Completed Depth (Measurable) 336

 Date Started: 5-20-24

 Date Completed: 6-4-24
14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

 Company Name Coonse Well Drilling Co. No. 409
 *Principal Driller [Signature] Date 6-25-24
 *Driller [Signature] Date 6-18-24
 *Operator II _____ Date _____
 Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.



Figure 1. Well tag #D0104103.



Figure 2. Well head and electromagnetic flowmeter from GloTech Corp.



Figure 3. Closeup of GloTech flowmeter model GEM.



Figure 4. Flowmeter reading of 328.86 gpm.



Figure 5. Leaks in line.



Figure 6. Open discharge into pond.



Figure 7. Headgate at A-Line canal, showing where surface water is diverted to the ponds.



Figure 8. Measurement weir for surface water.



Figure 9. Surface water entering the big pond.



Figure 10. Well water entering the newest pond with a surface area of 0.30 acres.



Figure 11. The largest pond at 2.85 acres is purported to hold 3,000 sturgeon.



Figure 12. Small 0.1 acre “kids” pond.



Figure 13. The second largest pond at 1.25 acres near the entry to the property.



Figure 14. A section of one of the ditches connecting the ponds.



Western Region • 2735 W Airport Way • Boise, ID 83705-5082

Phone: 208-334-2190 • Fax: 208-334-2348 • Email: westerninfo@idwr.idaho.gov • Web: idwr.idaho.gov

Governor Brad Little

Director Mathew Weaver

April 18, 2025

JIM OR MARTHA SCHWARTZ
3500 ELMORE RD
PARMA, ID 83660-6201

RE: Scheduling Field Exam for Water Right Permit No. 63-34820

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use to issue a water right license.

The above-referenced permit authorizes **1.36 cfs from groundwater for irrigation, commercial, commercial storage, fish propagation, fish propagation storage, and diversion to storage**. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued, and the permit should be relinquished. If that use was developed but you have ceased using the water and currently carry no interest in it, please relinquish the permit by submitting a Relinquishment of Permit form (no fee required).

If you developed a beneficial use of water under the permit but no longer own the place of use property identified in the permit, please submit an Ownership Change form with the applicable \$25 processing fee. The Relinquishment of Permit and Notice of Change of Water Right Ownership forms can be found at this link: <https://idwr.idaho.gov/form/water-rights-forms/>

Please contact me within the next **thirty (30) days** at (208) 605-4623 to either schedule an examination or submit a Relinquishment of Permit and Notice of Change of Water Right Ownership form. If you no longer own the place of use property and/or do not respond to this letter, the Department will work with the current property owner to issue a license or void the permit.

Sincerely,

Allen Bradbury
Water Resource Agent, Sr.
IDWR Western Region

Enclosure: Proof Report and Map