

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 73-12219
Exam Date: 06/10/2024

1. Current Owner:
HULL FARMS INC 3880 N 2500 E FILER ID 83328-5536
2. Accompanied by: Nate Hull
Phone No: (208) 539-6450
Address: Meeting Location- between 10745 and 12631 Custer Rd, May, ID
Relationship to permit Holder: Permit Holder's Son

3. SOURCE:
GROUND WATER

Method of Determination: Garmin Trex GPS and GIS

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
73-6, 12,107, 2037, 10037	PAHSIMEROI RIVER	IRRIGATION	LICENSE
73-2053, 73-108	SPRING	IRRIGATION	LICENSE
73-105,114, 115, 10063	PATTERSON CREEK	IRRIGATION	LICENSE
73-2015	SULPHUR CREEK	IRRIGATION	LICENSE

Comments: Several irrigation rights held by the permit holder overlap the permitted place of use (POU). However, the permitted beneficial uses are for domestic and stockwater from groundwater. There are no concerns regarding a negative impact due to stockwater use from a different source than the overlapping irrigation rights.

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

Water Right No.	Source	Purpose of Use	Basis
NONE	NA	NA	NA

Comments: There are no rights sharing the permit well point of diversion (POD).

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NE¼ NW¼, Sec. 12, Twp 14N, Rge 21E, B.M. CUSTER County

Method of Determination: Garmin Trex GPS- (Well head-N44°33.885 W113°55.473) and GIS

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
14N	21E	12					X												

Method of Determination: Field observations, Garmin Trex GPS, and GIS. Domestic use not installed at cabin.

3.
 - X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 - X 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
Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
None	NA	NA	NA	NA	NA	NA

2. Measurements: At the time of the field examination the system was installed but had sustained significant damage and could not be ran. Beneficial Use Rule 035.01.r.iii. states that a direct measurement is not necessary for uses other than irrigation or storage if the total combined diversion rate for all the uses does not exceed 0.24cfs.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: Pump and well information was requested from the permit holder and a theoretical calculation was made based on the information provided to support the rate for licensing.

$$Q = (2 \text{ Hp})(8.8)(0.80 \text{ eff.})/(200\text{ft lift}) + (2.31)*(45 \text{ psi}) = 0.05\text{cfs}$$

Permit Rate= 0.10cfs

BU Limited Rate= 0.02cfs

Recommended Rate= 0.02cfs

Comments: Domestic wells in the area have a total depth of about 100ft and irrigation wells run from 100 to 200 ft total depth. A theoretical calculation based on the information available indicates that a 2 Hp pump could provide the full standard rate (0.02cfs) to provide stockwater to 10 head of range cattle as described in Administrative Memo 3. A phone call with Nate Hull on September 19, 2024, clarified that the water line to the domestic cabin was never installed. The water line for domestic use runs out about 100ft from the pumphouse and terminates underground. The frost-free spigots at the cabin are just stuck into the ground and have never been connected. The water use has only been used for the 2 stockwater tanks installed and at the frost-free spigot next to the pump house. Nate also stated that the pump is 2 Hp, but he is not certain of the set depth. I recommend that the license be issued with a rate of 0.02cfs, per Administrative Memo #3.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: NA
2. Volume Calculations for Other Uses: Stockwater, 10 head cattle.

Comments: Per Administrative Memo #3- the annual volume for stockwater use for up to 10 head of range cattle is 0.2 AF. I recommend the license be issued with an annual volume of 0.2 AF.

G. NARRATIVE/REMARKS/COMMENTS

The proof of beneficial use for permit 73-12219 was received by the Department on August 30, 2018. The field examination was conducted by Water Right Supervisor, Justin Shearer and me with Nate Hull (permit holder's son) as an escort on June 10, 2024. At the time of the field examination the spigots were not operational at the domestic cabin (Photos 1 & 2). Nate Hull later clarified that when he was excavating for power to the cabin he found that the water service had never been completed to the spigots or cabin. Nate stated that a white PVC water line leaves the pumphouse at a depth of 6 ft for about 100ft to the northeast before terminating in the field. At the time of the field examination the equipment within the pump house exhibited significant damages (Photos 3-8). The spigots had been "staked" in the ground, not connected to a water line. Nate stated that the domestic well had only been used to fill the two stockwater tanks (photos 9-11). No irrigation or domestic use has ever been fully developed or use within the POU during the development period from 2013 to 2018.

Based on the findings during the field examination and clarifications provided by Nate Hull, the representative for Hull Farms I am recommending the license be issued with a rate of 0.02cfs and 0.2AF annual volume. The license should have conditions R05, 01R, 196, 197, 198, and the transfer text condition on the permit. Conditions 01H, R63, X35, and 132 should be removed for licensing since no irrigation or domestic use was developed under the permit. Conditions 2A and X02 should be removed for licensing, per current guidance. After water right approval the permit holder was notified by email that they could potentially file a transfer for the mitigation for irrigation and domestic use on the permit which was not developed.

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>
STOCKWATER	01/01 to 12/31	0.02 CFS	0.2 AF

Totals: 0.02 CFS 0.2 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 Bob Howe - Water Resource Agent

Field Examiner's Name Bob Howe Date 10/28/2024

Reviewer David King Date 4/25/2024



Photo1 – Facing north towards the domestic cabin. No irrigation evident in imagery.



Photo 2- Facing north frost free spigot in foreground. There were two spigots at the cabin neither one was operational at the time of the field examination.



Photo 3-(Left) Pump house with well head visible next to a frost free spigot in the left of the image. Photo 4-(Right) Well head.



Photo 5 & 6- Pump VFD with parts and cover on the floor of the pumphouse next to the blue 44-Gallon pressure tank.



Photo 7-(Left) Pump controller with evident damage. Photo 8-(Right) 2" Poly line from pump to Manifold with broken pressure gauge. 1 1/2" Poly line goes out through chase in the corner.



Photo 9- Water tank southeast of the pumphouse enclosure (in the right of image).



Photo 10- Facing northwest at the stockwater tank on the southeast side of the pumphouse. The second stockwater tank is visible on the far side of the enclosure and roadway.



Photo 11- Second image of the stockwater tank to the northwest of the northeast corner of the fence line.



Figure 1- System Diagram – A 2" poly line goes from the well head to the pumphouse. The manifold connects to a manifold with a 44-Gallon pressure tank and an 1 1/2" poly line out to the auto-valve controlled stockwater tanks.



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Governor Brad Little
May 1, 2024

Director Mathew Weaver

HULL FARMS INC
3880 N 2500 E
FILER, ID 83328-5536

RE: Scheduling Field Exam for Water Right Permit No. 73-12219

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **on the week of June 10 to June 14, 2024**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.10 CFS from Groundwater for Irrigation, Stockwater, and Domestic use**. **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 have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Ownership Change form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 287-4847 to either schedule an examination or submit a relinquishment or assignment 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,

Bob Howe

 IDAHO DEPARTMENT OF
WATER RESOURCES
Bob Howe | Water Resource Agent
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Enclosures: Relinquishment of Permit form
Change of Ownership form
Water Permit Report and Map