

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 57-11863
Exam Date: 06/06/2025

1. Current Owner:

RESERVE RIDGE LLC AND GOULD FEEDER PROPERTIES LLC 5680 E FRANKLIN RD STE 100 NAMPA ID 83687-9073
NORTHWEST FARM CREDIT SERVICES FLCA 16034 EQUINE DR NAMPA ID 83687-8490

2. Accompanied by: Jared Gould

Phone No: (208) 936-8446

Address: 12971 Bailey Rd. Melba, ID

Relationship to permit Holder: Owner of Gould Feeder Properties LLC

3. **SOURCE:**

GROUND WATER

Method of Determination: In-person Field Exam, Aerial Imagery, Statement of Completion

B. OVERLAP REVIEW1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
57-1010	Groundwater	Domestic	Decreed
57-7245	Groundwater	Stockwater (0.21 cfs / 40.20 AFA) Domestic (0.02cfs / 0.6 AFA)	Decreed
57-7426	Groundwater	Stockwater (0.88cfs) and Domestic (0.04cfs)	Decreed
57-11663	Groundwater	Commercial (0.28cfs (12 AFA)	License

Comments: 57-7426 is a partial overlap, located in the NESE and SESE ¼ ¼ 's of 01S 03W Section 13 and is owned by Reserve Ridge LLC and Gould Feeder Properties. 57-11663 is a complete overlap owned by Gould Feeder Properties LLC, allowing for 0.28cfs or 12.0 AFA for commercial use.

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

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: No existing licenses or permits share the point of diversion for right 57-11863.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW¼ SE¼, Sec. 13, Twp 01S, Rge 03W, B.M. OWYHEE County
43.33292, -116.63584

Method of Determination: In-person Field Exam, OnX GPS

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	03W	13													X				

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	
01S	03W	13			X	X									X	X			

Method of Determination: In-person Field Exam, ArcMap 2023 Aerial Imagery

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

X 1:24,000 or greater.N/A 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
D0100371	Unknown	25	Unknown	Wolf Customized Pumps	6LH7 5-stage

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurements: A bucket test flow measurement was conducted using a five-gallon bucket, as represented below in Item E, under 'Flow Calculations.'

Theoretical flow for well output:

$$\frac{(8.8)(25 \text{ HP})(0.67)}{[280\text{ft} + (64\text{psi} \times 2.31)]} = 0.34 \text{ CFS}$$

Flow Calculations for Stockwater:

The diversion rate, calculated by Application Processing Memo 3, includes the appropriate diversion rate for 13,000 cattle on site, not including calves that consume formula. Formula is accounted for by volume for commercial use in Item F.

AP Memo 3: $13000 \times 0.00022 = 2.9 \text{ CFS}$

Permitted Rate: 0.28 CFS

Flow Calculations for Commercial:

Within the commercial facility, there are 6, 1.25" fire hoses with a sprayer attachment that provide water to the facility for cleaning purposes. A five-gallon bucket was used to conduct a bucket test, shown below. The average flow rate was 9.9 GPM, or 0.02cfs per hose. If three hoses are to run in unison while mixing tanks are filling, the diversion rate of 0.28cfs would be in use.

Bucket Test Flow Measurement		
Test Number	Fill Time (Seconds)	GPM
1	30.4	9.9
2	30.7	9.8
3	30.2	9.9
Average	30.4	9.9

The ranch uses 6, 600 gallon mixing tanks for mixing formula. Since a closed conduit measurement could not be collected due to interference at the time of the field exam, a calculation is provided based on facts of operation. The ranch fills two, sometimes three tanks at a time to the capacity of 600 gallons, taking ten minutes for the tanks to fill. My calculation is based on two tanks filling

$$\frac{1200 \text{ gallons}}{448.83 \times 10 \text{ minutes}} = 0.27 \text{ cfs}$$

F. VOLUME CALCULATIONS**1. Volume Calculations for Stockwater:**

13,000 cattle at 12 gallons per day:

$$13,000 * 0.0134 = \mathbf{174 \text{ AFA}}$$

Volume Calculations for Commercial:

The commercial use of this permit includes feeding formulated milk to calves. Depending on the season, 28 or 36 carts of bottles are fed to the calves daily. A cart consists of 960, 2-quart bottles. Seasonal variation includes eight months of 36 carts per day and four months of 24 carts per day.

$$\frac{244 \text{ days} * 36 \text{ carts} * 960 \text{ bottles} * 2 \text{ quarts}}{4 \text{ quarts} * 325,850} = \mathbf{12.9 \text{ AFA}}$$

$$\frac{121 \text{ days} * 28 \text{ carts} * 960 \text{ bottles} * 2 \text{ quarts}}{4 \text{ quarts} * 325,850 \text{ gallons}} = \mathbf{5.0 \text{ AFA}}$$

Within the commercial facility, there are 6, 1.25" fire hoses with a sprayer attachment that provide water to the facility for cleaning purposes. The facility manager estimates that total use of the hoses equates to one hose running continuously for four hours, or 240 minutes, per day, 365 days per year

$$\frac{9.9 \text{ gpm} * 240 \frac{\text{min}}{\text{day}} * 365 \text{ days}}{325,850} = \mathbf{2.7 \text{ AFA}}$$

$$12.9 \text{ AFA} + 5.0 \text{ AFA} + 2.7 \text{ AFA} = \mathbf{20.6 \text{ AFA}}$$

G. NARRATIVE/REMARKS/COMMENTS

An application for permit to appropriate 0.28 CFS from groundwater for stockwater and commercial use was received by the department on June 19, 2015. A permit was issued on April 5, 2016 and a statement of completion submitted to the department on May 9, 2025. The department granted an extension of time to the permitholder after a request for extension of time was submitted on April 1, 2021 due to lack of availability of well drillers. A field exam was conducted on June 6, 2025, accompanied by co-owner Jared Gould.

A total of 15,000 cattle is on site, 2,000 of which are calves that are bottle fed. The calves are not included in the stockwater count, as the water they consume is accounted for by the commercial use to mix formula for the calf feeding ranch. Depending on the season, 28 or 36 carts of bottles are delivered to the calves, containing 960 bottles of formula each. Each bottle is 2-quarts. A calculation in Item F, Volume Calculations for Commercial Use, is included to represent the annual volume for commercial use. This also includes a volume to account for a series of 6, 1.25" fire hoses that are used intermittently for cleaning purposes.

No straight length conduit was exposed to take a direct measurement of well output, so a theoretical calculation was provided in item E. An employee of Wolf Customized Pumps, who installed the pump to this well, was able to verify that a 25hp pump was set at a depth of 300ft via phone call during the field exam. The system was running at a pressure of 64 psi during the field exam, and the calculation indicates a system capability of 0.34CFS. Item E shows a standardized diversion rate calculated based off Application Processing Memo 3 for the appropriate count of stock. This value, and the theoretical calculation both exceed the permitted diversion rate, so the permitted rate of 0.28CFS is recommended for the license.

There are three partially overlapping water rights which are owned by Reserve Ridge LLC and Gould Feeder Properties. Two rights, 57-7245 and 57-7426 provide 0.21 CFS for 40.2 AFA and 0.88 CFS for 126 AFA for stockwater, respectively. One commercial right, 57-11663, provides 0.28 CFS for 12 AFA. Item F shows my recommendation of 7.8 AFA with consideration for the annual volumes authorized under rights 57-7245 and 57-7426. A combined annual volume of 174 AFA for stockwater with 57-7426, 57-7245 and 57-11663 should be placed on the license. A combined rate of 0.28 CFS and annual volume of 18.1 AFA should be placed for commercial with 57-11663, as the previously existing right authorizes 0.28 CFS and 12 AFA for commercial. Item F includes a calculation justifying my recommendation for 18.1 AFA for commercial.

Conditions 26A, 106, X02, and 046 were removed at licensing since the system has been developed and they are no longer necessary. Condition 121 was replaced with 103 per department standard. Condition E60 was added to clarify combined limits for stockwater and commercial use, respectively.

Have conditions of permit approval been met?

X Yes No

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Volume
COMMERCIAL	01/01 to 12/31	0.28 CFS	20.6 AFA
STOCKWATER	01/01 to 12/31	0.28 CFS	174 AFA

Totals:

0.28 CFS

195 AFA

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** Kate Englund - Water Resource AgentField Examiner's Name Kate Englund Date ~~8/12/2024~~ 8-12-25Reviewer  Date 10-10-25

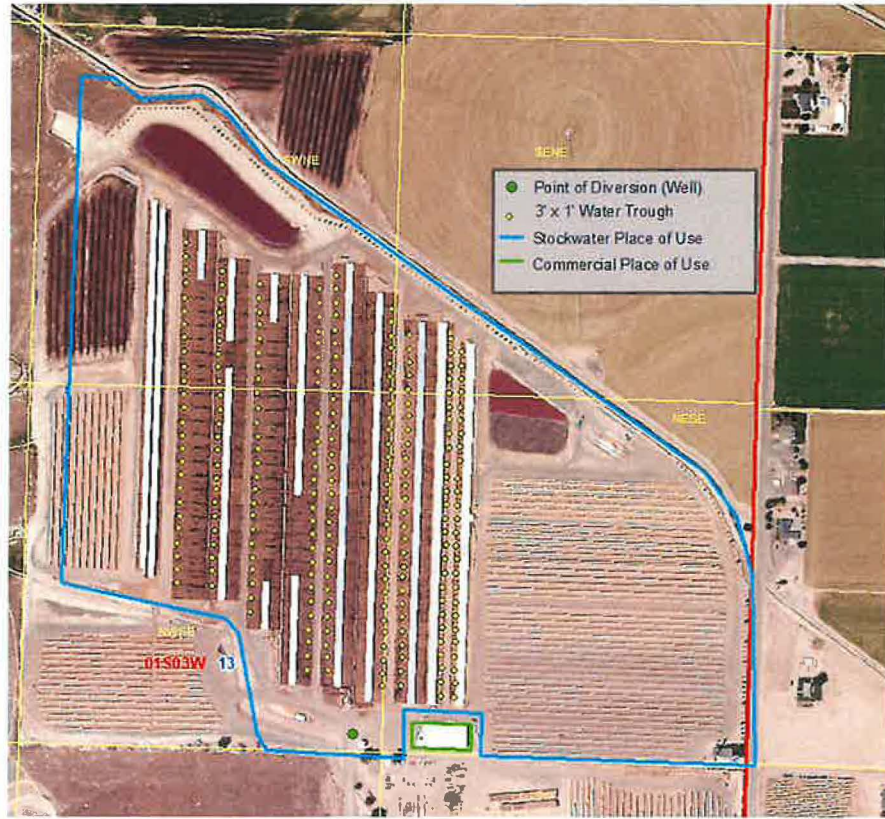


Figure 1 System diagram includes places of use, water troughs, and point of diversion. Mainline is not included, as they are underground and exact locations are unknown.



Figure 2 Well D0100371



Figure 3 Metal tag for well D0100371.



Figure 4 Control panel for well D0100371.

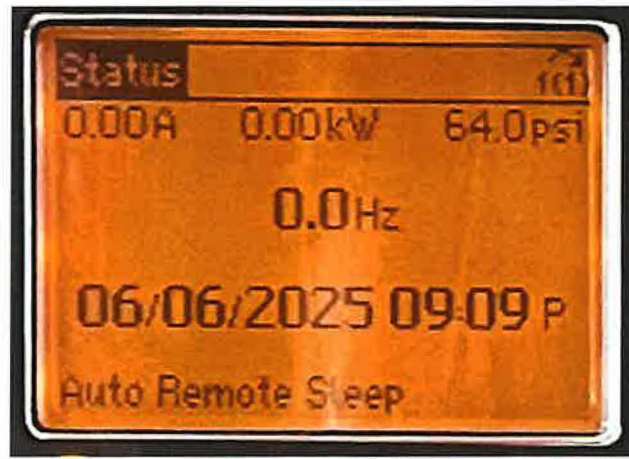


Figure 5 Close up image of screen display on the control panel for well D0100371 specifying the well pump was running at an operating pressure of 64 psi.

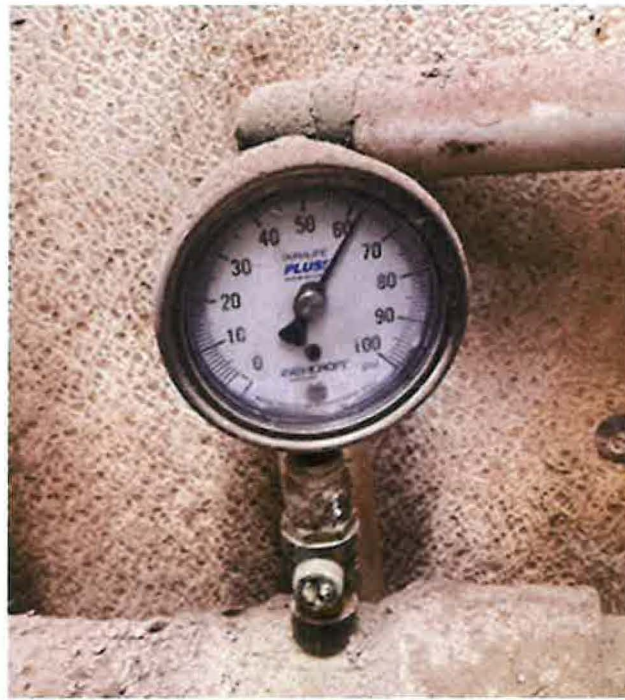


Figure 6 Pressure gage located in the commercial building showing a pressure of 62psi, about 150 yards away from the point of diversion.



Figure 7 Milk cart used to feed formulated milk to calves. One cart contains 960, quart sized bottles.



Figure 8 Photo taken from stockwater place of use, featuring a 3'x1' water trough.

57

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. 0100371

Drilling Permit No. **911747**

Water right or injection well # **57-11863**

2. OWNER: Reynolds Creek Calf Ranch Co LLC

Name

Address **12971 Bailey Rd**

City **Melba** State **ID** Zip **83641**

3. WELL LOCATION:

Twp **01** North ☐ or South ☒ Rge **03** East ☐ or West ☒

Sec **13** NW 1/4 SE 1/4

Gov't Lot _____ County **Owyhee**

Lat **43** 19.9812 (Deg and Decimal minutes)

Long **-116** 38.1738 (Deg and Decimal minutes)

Address of Well Site **12971 Bailey Rd**

City **Melba**

Lot _____ Bk _____ 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 substance	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method/procedure
Bentonite chip	0	65	27sacks	overbore

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge Schedule	Material	Casing Liner	Threaded	Welded
8	+2	320	250	steel	☒	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) **320**

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method **air perforator** **6 rows**

Manufactured screen ☐ Y ☐ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number(s)	Diameter (nominal)	Material	Gauge or schedule
200	280	1/4+		8	steel	

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft)	Placement method
3/8	280	65	31,000lbs	poured overbore and swabbed in

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) **148** Static water level (ft) **148**

Water temp (°F) **cold** Bottom hole temp (°F) _____

Describe access point **turtle cap**

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Boiler	Air	Flowing artesian
@ 280	100+	5hrs	☐	☐	☒	☐

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
12	0	5	clay with rocks	Y N
	5	20	Tan clay	
	20	30	very hard tan clay	
	30	43	blue to tan clay	
	43	57	tan clay	
	57	90	blue clay	
	90	160	blue clay with shale shells	
	160	216	sandy blue clay very soft fragile	X
	216	270	sandstone with intermitten clay	X
8	270	280	loose fine sand	XX
	280	292	sandstone	X
	292	327	grey clay	X
	327	347	brittle clay and shale	X
	247	400	grey clay	X

RECEIVED

SEP 14

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable) **400**

Date Started **8-14-23**

Date Completed **9-11-23**

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 **Bens Well Drilling and Repair** Co No **753**

*Principal Driller **Ben M'son** Date **9-13-23**

*Driller _____ Date _____

*Operator _____ Date _____

*Operator _____ Date _____

Other _____ Date _____

Other _____ Date _____

* Signature of Principal Driller and rig operator are required