

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 31-11735

Exam Date: 9/4/2007

1. Current Owner: JAMES F HAGENBARTH
PO BOX 1128
DILLON MT 59725-1128
(406)683-2163

Or

DAVID J HAGENBARTH
PO BOX 1128
DILLON MT 59725-1128
(406)683-2163

2. Accompanied by: James Hagenbarth

Phone No: same as owner

Address: same as owner

Relationship to Permit Holder: self

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: none
2. Other water rights with the same point of diversion: none

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

NE1/4NE1/4SE1/4

Sec. 21, Twp 13N, Rge 40E, B.M.

CLARK County

Method of Determination: GPS

- 2.

PLACE OF USE: STOCKWATER

Tw	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13N	40E	21													X				

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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.
- ☐ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
D0021439					

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:
 $(2 \times 0.70 \times 8.814) / (215 + (20 \times 2.308)) = 0.05 \text{ cfs}$

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:

14 afa for 1000 head range cattle per memo

G. NARRATIVE/REMARKS/COMMENTS

Well with 20 hp generator to run 2 hp pump. 200 ft dynamic water level with 15 foot lift to top of storage tank.
10 ft. below the storage tank stock watering trough which was full at the time of exam.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.050 CFS	14.00 AF
<u>Totals:</u>		0.050 CFS	14.00 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 ☐ Other

I. AUTHENTICATIONField Examiner's Name Shel Arave Date 9/3/07

Reviewer _____ Date _____















Comment Report

31-11735

1. narave 9/4/2007 Field Report Narrative

Comment: Well with 20 hp generator to run 2 hp pump. 200 ft dynamic water level with 15 foot lift to top of storage tank.

10 ft. below the storage tank stock watering trough which was full at the time of exam.

2. narave 9/4/2007 POD

Comment: Updated shape

3. narave 9/4/2007 POD

Comment: Updated PLS

4. narave 9/4/2007 overlap analysis

Comment: There are no water rights with the same place of use, or point of diversion

Type	WR #	Owner	Source	TR5	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Permit	31 11735	JAMES F HAGENBARTH, DAVID J HAGENBARTH,	GROUND WATER	13N40E21													X				0
Right	31 2274	DAVID J HAGENBARTH, JAMES F HAGENBARTH,	DRY CREEK	13N40E21						25	6.6					5			11		47.6
Right	31 2275	JAMES F HAGENBARTH, DAVID J HAGENBARTH,	DRY CREEK	13N40E21						25	6.6					5			11		47.6
Right	31 10245	DAVID J HAGENBARTH, JAMES F HAGENBARTH,	DRY CREEK	13N40E21						25	6.6					5					47.6
Right	31 10740	DAVID J HAGENBARTH, JAMES F HAGENBARTH,	DRY CREEK	13N40E21						25	6.6					5			11		47.6
Right	31 11735	JAMES F HAGENBARTH, DAVID J HAGENBARTH,	GROUND WATER	13N40E21													X				0