

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

NOV 23 2005

DEPARTMENT OF WATER RESOURCES

A. GENERAL INFORMATION

Permit No. 65-7573

1. Owner: JUGHANDLE CORP

Phone No:

Current Address: PO BOX 1324

City, State, Zip: MCCALL ID 83638

2. Accompanied by: SEE 1991 EXAM REPORT

Exam Date: 8/1/1991

Address:

Phone No:

Relationship to Permit Holder:

3. Source: GROUND WATER

Tributary to:

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 65-4059, 65-7257, 65-7290

2. Other water rights with the same point of diversion: SEE NARRATIVE

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion

Ident. No.	Gov't lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
1			NE	NE	7	17N	4E	VALLEY	TOPO & CFSA PHOTO
2			NE	NE	7	17N	4E	VALLEY	SAME
3			SE	NE	7	17N	4E	VALLEY	SAME

2. Place(s) of Use

Tnp	Rg	Sec.	NE				NW				SW				SE				Total
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
17N	4E	7	D	D	D	D	D	D	D	D	D	D				D			

USE THIS REPORT FOR 65-7573 & 65-13013
(to license) (to CANCEL)

3. Delivery System Diagram.

Indicate all major components and distance between components.

SEE	1991	EXAM	REPORT
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☒ Copy of USGS Quadrangle attached showing location(s) of diversion and place(s) of use (required).

☒ Aerial photo attached (required for irrigation of 10+ acres).

☒ Photo of diversion and system attached.

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

D. FLOW MEASUREMENTS

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calibration Date
NONE						

Measurements NONE

E. NARRATIVE/REMARKS/COMMENTS

SEE 11/18/2005 NARRATIVE ATTACHED (CAUTION IF TRY TO IMPORT TO DATABASE?)

Have conditions of permit approval been met? ☐ Yes ☐ No *None on Permit***F. FLOW CALCULATIONS**

Measured Method:

SEE ATTACHMENT D

☒ Additional Computation Sheets Attached**G. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation: N/A

VI.R. = (Acres Irrigated) x (Irrigation Requirement) =

VD.R. = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 =

V = Smaller of VI.R. and VD.R. =

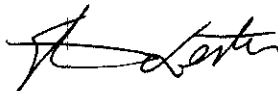
2. Volume Calculations for Other Uses: SEE
NARRATIVE**H. RECOMMENDATIONS**

1. Recommended Amount

BENEFICIAL USE	PERIOD OF USE		RATE OF DIVERSION ANNUAL	
	From	To	Q(cfs)	V(afa)
DOMESTIC (100 HOMES INTERNAL & EXTERNAL USES)	1/1	12/31	0.12	86.9

TOTALS 0.12 86.9

2. Recommended Amendments

☒ Change P.D. as reflected above
☐ Change P.U. as reflected above☒ Add P.D. as reflected above
☒ Add P.U. as reflected above☐ None
☐ Other**I. AUTHENTICATION**Field Examiner's Name STEVE LESTER
ReviewerDate 11/18/2005
Date

NARRATIVE FOR EXAMS 65-7573 and 65-13013

November 18, 2005

-Steve Lertin

An August 1991 exam confirmed a three-well community water system noted in the attached original exam report. The wells were drilled in 1985 prior to drilling permit requirements. Confirmation of pre-November 1987 development could have revised older rights in the subdivision (accomplished transfers in SRBA?) and licensed newer permits 65-7573 and 65-13013 to provide full water right coverage for the development.

That possibility led to a common service area approach combined with old rate/new rate overlap analysis to define domestic for internal use and irrigation for external use. This approach was covered in the 1992 Agents Conference hosted at the State Office. The approach looked promising at that time.

However, subsequent changes in department thinking made the approach unusable. SRBA results reconfirmed the older rights without updating points of diversion, redescribing domestic use as domestic and irrigation, and clarifying other changes.

Refer to the 1991 exam information but disregard details describing conversion to domestic and irrigation uses (example: most of Attachment A does that ... updated notes highlight information currently useful in that document).

Use business entity registration C47783 (copy attached) for current contact information as noted in the 11/2/05 letter to the permit holder. Probably should disregard telephone numbers 634-3911 (decrees, permits) and 634-5121 (1991 field exam) since messages were left at those but return calls were not received.

Initial 1991 contact included Thor Finkelson from proof filing in 65-13013. Exam contact details for 65-7573 were not provided to the department for that permit (more on exam fee details for 65-7573 later in narrative). Mr. Finkelson arranged for maintenance supervisor Ken Grotjohn and president Ed Hershgold (now Warren Drake) to accompany me on the exam. The 1991 exam included proper contact procedures to ensure full participation of the permit holder.

Summary of community system found in 1991:

- 3 wells, storage tank and pump house, distribution lines
- well #2 close to $\frac{1}{4}$ $\frac{1}{4}$ line but determined to be in NENE
- 55 homes built, other lots stubbed, total 108 units (107 in subdivisions and 1 adjacent home by pump house)
- system capacity 0.23 cfs (estimate rough around the edges but best available)
- internal and external uses
- volume required both uses: $108 \times 1.2 = 129.6$ afa
- volume diverted at capacity: $0.23 \times 365 \times 1.9835 = 166.5$ afa
- beneficial use volume limit 129.6 afa

- surface water 65-7257: recreation pond, separate line from spring to pump house with gravity line to pond, not commingled with ground water, no domestic water supplied per system change before 1991 exam; uses a different spring than this record identifies (different legal description).

SRBA Partial Decrees for homes (disregard 65-7257 as noted in 11/2/05 letter):

65-4059	D/1	int/ext	0.04 cfs	01.2 afa	fully covered
65-7290	D/90	int/ext	0.07	50.6	Vd < Vr, shortage
Total	D/91	int/ext	0.11	51.8	shortage

Permit 65-7573 allows internal and external uses. It is cumbersome as noted by 1991 exam details to redefine the permit as domestic and irrigation uses. Use the old standard of domestic for all needs. In this way all domestic rights for the subdivision would use identical terms. The permit is limited to 0.12 cfs for 100 units. Consider the exam fee as paid (see 2/6/92 memo and note 65-13013 will not be needed – use exam fee from latter if necessary). The permit was claimed in the SRBA and decreed as a permit with licensing to follow.

Permit 65-7573 volume is limited by rate:

- $V_r = 100 \times 1.2 = 120$ afa
- $V_d = 0.12 \times 365 \times a.9835 = 86.9$ afa
- allow 86.9 afa for internal & external uses.

The community well system provides full coverage to the units as noted by Table 1. This is due to mostly duplicative coverage under 65-7290 and 65-7573. The latter permit is needed to complete the picture. Permit 65-13013 does not represent any additional development and should be relinquished or cancelled.

Table 1. Summary of Domestic Rights.

NUMBER	USE	CFS	AFA	VOLUME NOTES
65-4059	D/1 int/ext	0.04	001.2	full coverage
65-7290	D/90 int/ext	0.07	050.6	Vd < Vr
65-7573	D/100 int/ext	0.12	086.9	Vd < Vr
TOTAL	D/108 int/ext	0.23 capacity	129.6 b.u. limit	full coverage

Amendments are needed to change and add P/D plus to add P/U tracts.

65-7573 should include conditions:

- Domestic use is for 100 homes and associated yard irrigation limited to ½ acre of irrigation per home.¹
- Limited to annual volume of 129.6 af for 108 homes and yards when combined with right nos. 65-4059 and 65-7290.²
- Place of use also known as Jughandle Estates #1 and #2, Jughandle Highlands #1 and #2 plus one adjacent home and yard.

The right holder was notified by 11/2/05 letter of two transfers needed to correct rights 65-4059, 65-7290 and 65-7257. Filing and processing those transfers need not delay licensing 65-7573.

Should not include condition in 65-7573 that 65-4059 and 65-7290 are diverted through the same system. Although that is correct, the other rights are incorrectly recorded. Wait until a transfer is filed to add that condition to the older rights. Should be able to add that condition to 65-7573 as an associated right in such a transfer.

¹ Yard use limit of ½ acre/home is implied by the permit. Based on 1991 exam details, none of the yards would come close to exceeding that limit. Probably best to condition 65-7573 with that limit.

² These limits will also be codified for overlapping rights in a future transfer.