

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-7465 / 13-7488

Exam Date: 7/2/2013

1. Current Owner: WEST SIDE SCHOOL DISTRICT #202
PO BOX 89
DAYTON ID 83232-5138
(208)747-3502
2. Accompanied by: Spencer Barzee
Relationship to Permit Holder: School District Administrator

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 NW1/4NW1/4 Sec. 23, Twp 15S, Rge 38E, B.M. FRANKLIN County

Method of Determination: GPS, site visit

2. PLACE OF USE (13-7465): IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
15S 38E 23	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	8.0

Total Acres: 8

PLACE OF USE (13-7488): IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
15S 38E 22	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	8.0
15S 38E 23																	16.0

Total Acres: 24

used in combination with water from Twin Lakes Canal Co.

Method of Determination: site visit, aerial photography

3. ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

4. System Information: Submersible Pump, 20 hp,

D. FLOW MEASUREMENTS

1. Fuji Portaflow C (calibrated Spring 2013)

Highest instantaneous reading = 196.2 gpm (0.44 cfs)

E. FLOW CALCULATIONS

Assuming 20 hp pump, 60 psi delivery, 100 foot pumping level, 70% efficiency, 0 friction loss,
Theoretical Diversion rate = 0.52 cfs
Water table / pumping level is likely more than 100 feet below land surface. Measurement is reasonable.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation
(13-7465): 8 acres x 3.5 af/acre = 28 acre-feet
(13-7488): 16 acres x 3.5 af/acre = 56 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Total irrigated acres at school grounds = 24 acres. Permit 13-7465 is older and is limited to 8 acres and 0.16 cfs. The 8 acres are all located within NWNW of Section 23. Permit 13-7488 was developed later in time and covers the additional 16 acres that were 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>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>	
IRRIGATION	04/01 to 10/31	0.160 CFS	28.00 AF	13-7465
IRRIGATION	04/01 to 10/31	0.280 CFS	56.00 AF	13-7488
<u>Totals:</u>		0.440 CFS	84.00 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. AUTHENTICATION

Field Examiner's Name Bike [Signature] Date 8/15/2013
Reviewer _____ Date _____







STATE OF IDAHO

For Office Use Only
Amt. of Fee \$ 100.00
Date 4-30-92
Receipt No. 6023977
Received by [Signature]

Department of Water Resources

DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 13-07488 Telephone No. 747-3502
2. Name(s) of Permit Holder(s): West Side School Dist #202
3. Post Office Address: 755 N. West Side Hwy, Dayton, ID 83232
4. Source of Water: Ground
 - a. If ground water, well driller's name: Cole Gardner Date drilled: March-July 1990
 - b. Pump horsepower: 20 Pressure (psi): 60 Dynamic pumping level (ft.): 70 ft
5. Extent of Use:

Domestic _____ (No. of households)	Irrigation <u>32</u> (No. of acres)
Stockwater _____ (No. and type of stock)	Other _____
6. Total rate and/or volume for which proof is submitted .64 cfs _____ acre/feet
7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device:	Required? ☒ Yes ☐ No	Installed? ☒ Yes ☐ No
OR		
Flow Measurement Port:	Required? ☐ Yes ☐ No	Installed? ☐ Yes ☐ No
8. Fee Enclosed: \$ 100.00 (See License Examination Fee Schedule)
9. Person to contact to accompany the Department representative during the field examination:

<u>Melvin E Bentler</u> (Name)	<u>747-3502</u> Telephone No.
<u>755 North West Side Hwy Dayton, ID 83232</u> Address	
10. The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

MICROFILMED

Nov 7, 1991
Date

Melvin E Bentler Supt.
Signature (and title if on behalf of a company or organization)

JUL 29 1992

P.S. This document was mis filed at my office
I am sending it now with the check. March 20, 1992

1. WELL OWNER

Name West Side school

Address 775N Duxton Idaho

Owner's Permit No. 13-90-2-001-100

2. NATURE OF WORK

☒ New well

☒ Deepened

☐ Replacement

☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic

☒ Irrigation

☐ Test

☐ Municipal

☐ Industrial

☐ Stock

☐ Waste Disposal or Injection

☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary

☐ Air

☐ Hydraulic

☐ Reverse rotary

☐ Cable

☐ Dug

☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness 250 inches

Diameter 8 inches

From 0 feet

To 176 feet

_____ inches

_____ inches

_____ feet

_____ feet

_____ inches

_____ inches

_____ feet

_____ feet

_____ inches

_____ inches

_____ feet

_____ feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☒ Knife ☐ Torch

Size of perforation 3 inches by 14 inches

Number _____

From _____

To _____

252 perforations

19 feet

61 feet

192 perforations

159 feet

192 feet

_____ perforations

_____ feet

_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 18 Material used in seal: ☐ Cement grout

☐ Bentonite ☒ Pudding clay ☐ _____

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld

☐ Cemented between strata

Describe access port _____

7. WATER LEVEL

Static water level _____ feet below land surface.

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump

☐ Bailor

☐ Air

☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	3	FS		
	3	19	white clay		
	19	61	gravel		
	61	91	Blue clay		
	91	93	gravel		
	93	98	hard rock		
	98	105	Blue clay		
	105	116	Gray clay		
	116	124	white clay		
	124	159	tan clay		
	159	162	gravel		
	162	178	gravel clay		
	178	192	green shale		
	192	210	Black Broken Rock		
210	271	gray clay			

10.

Work started 4-10-90 finished 6-10-90

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W

E

S

4

7

1

2

1

2

3

4

1

2

3

4

1

2

3

4

Subdivision Name _____

Lot No. _____ Block No. _____

County Franklin

NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23 T. 15 N. S. R. 38 E. N.

11. DRILLERS CERTIFICATION

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

Firm Name Gardner Drilling Firm No. 454

Address 151 Southmain Date 7-30-91

Signed by (Firm Official) Col. J. Gardner

and _____

(Operator) _____

IF ADDITIONAL SHEETS ARE NECESSARY, FORWARD THE WHITE COPY TO THE DEPARTMENT

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 13-7465, 13-7468

Reviewer:

Date of Review:

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	20	0	0
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	100	0	0
DISCHARGE PRESSURE	60	0	0
RATE OF FLOW (cfs)	0.52	#DIV/0!	#DIV/0!

The above calculates the formula = $Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$

Assumptions: %70 efficiency.
No Friction

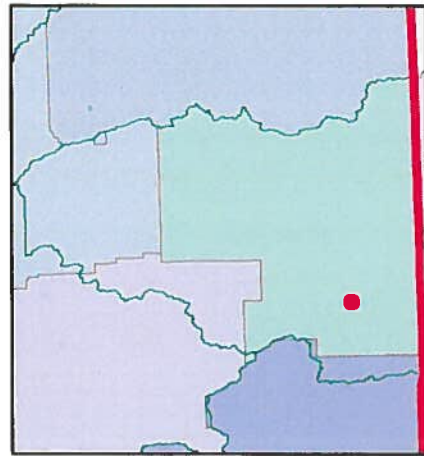
Examiners Notes:



Idaho Department of Water Resources

Water Right
13-7488
(IRRIGATION)

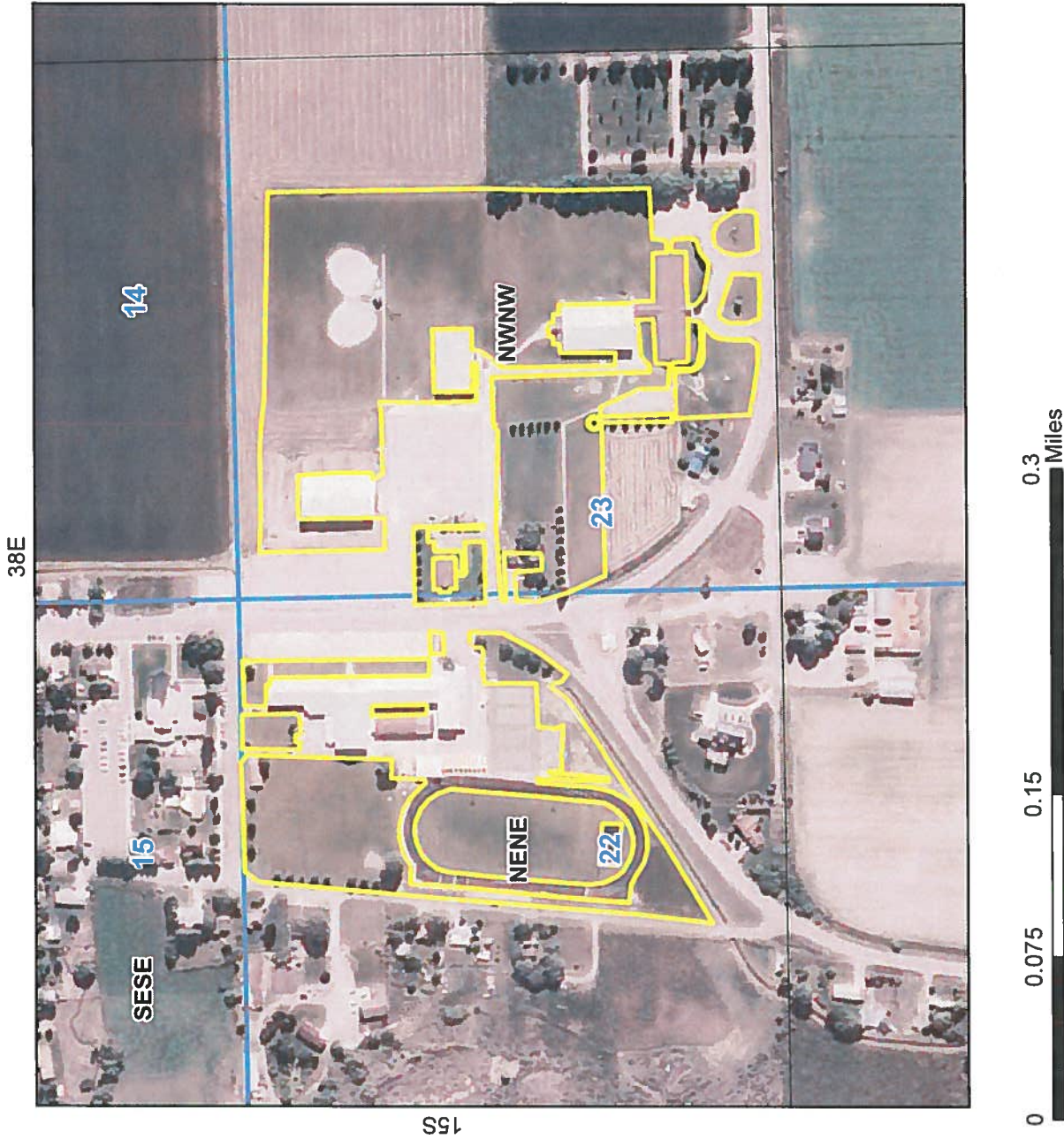
- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Franklin County
IDWR Basin 13

Prepared by Carlson, Dave

2009 Aerial Photography





Idaho Department of Water Resources

Water Right
13-7465
(IRRIGATION)

● Point of Diversion

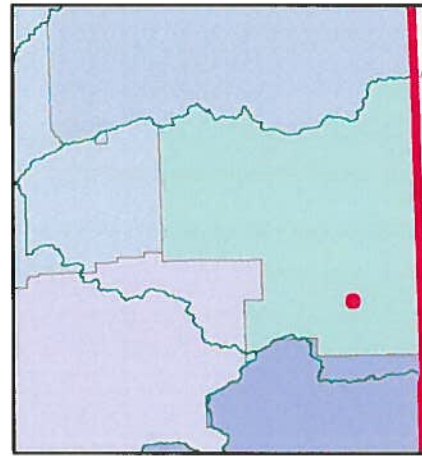
□ Place of Use

□ State Outline

□ Townships

□ PLS Sections

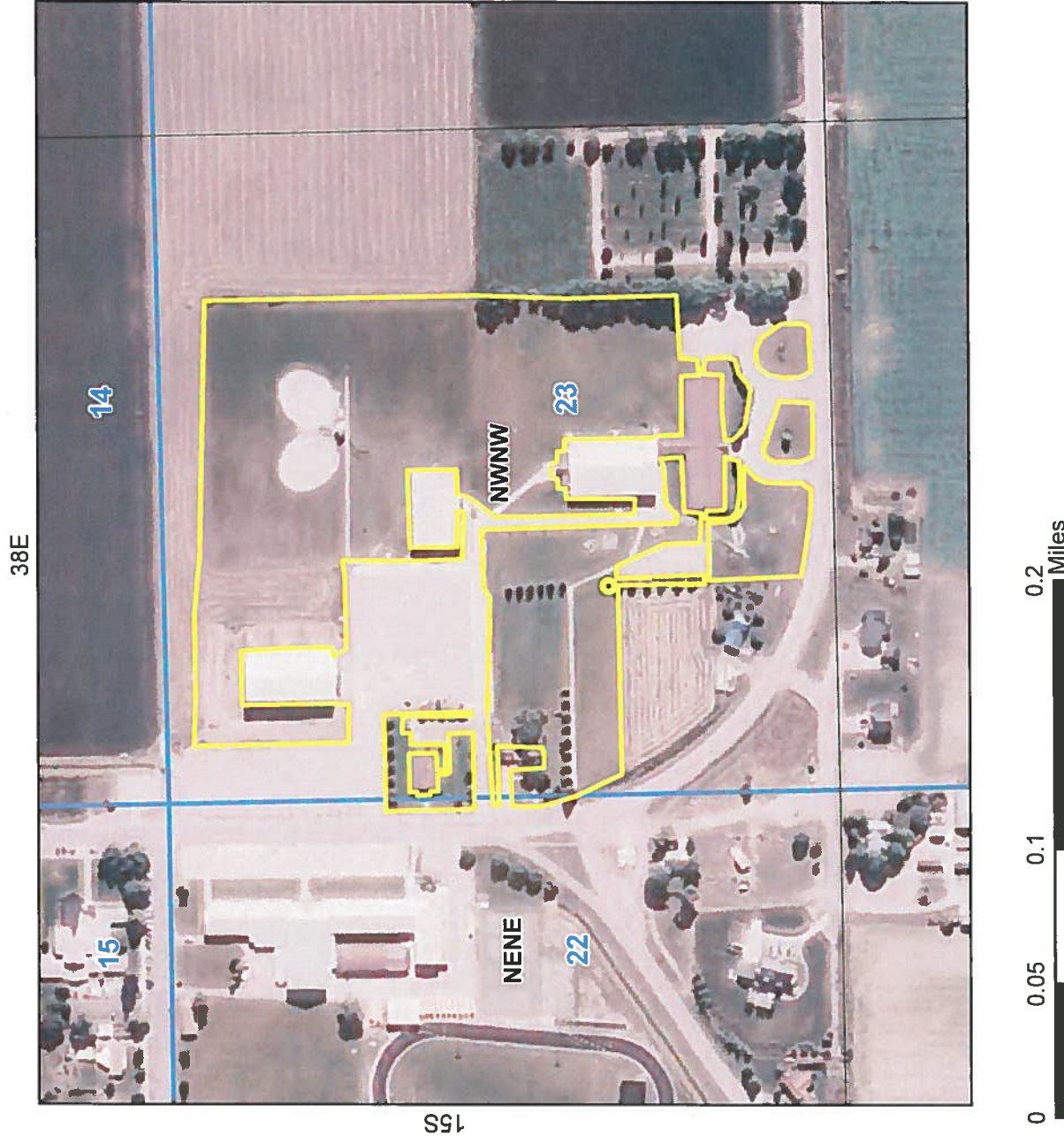
□ Quarter Quarters



Franklin County
IDWR Basin 13

Prepared by Carlson, Dave

2009 Aerial Photography



13-06-28 10:59:09
+4.981E+0 ft/s
+1.582E+2 gal/min
0000016 gal +TOTAL
NORMAL ←

13-06-28 11:00:08
+4.879E+0 ft/s
+1.322E+2 gal/min
0000208 gal +TOTAL
NORMAL

13-06-28 11:01:08
+4.971E+0 ft/s
+1.358E+2 gal/min
0000422 gal +TOTAL
NORMAL

13-06-28 11:02:08
+4.853E+0 ft/s
+1.361E+2 gal/min
0000596 gal +TOTAL
NORMAL

13-06-28 11:03:08
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+1.942E+2 gal/min
0000789 gal +TOTAL
NORMAL

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+1.957E+2 gal/min
0000984 gal +TOTAL
NORMAL

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0001176 gal +TOTAL
NORMAL

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+1.850E+2 gal/min
0001358 gal +TOTAL
NORMAL

13-06-28 11:07:08
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+1.843E+2 gal/min
0001544 gal +TOTAL
NORMAL