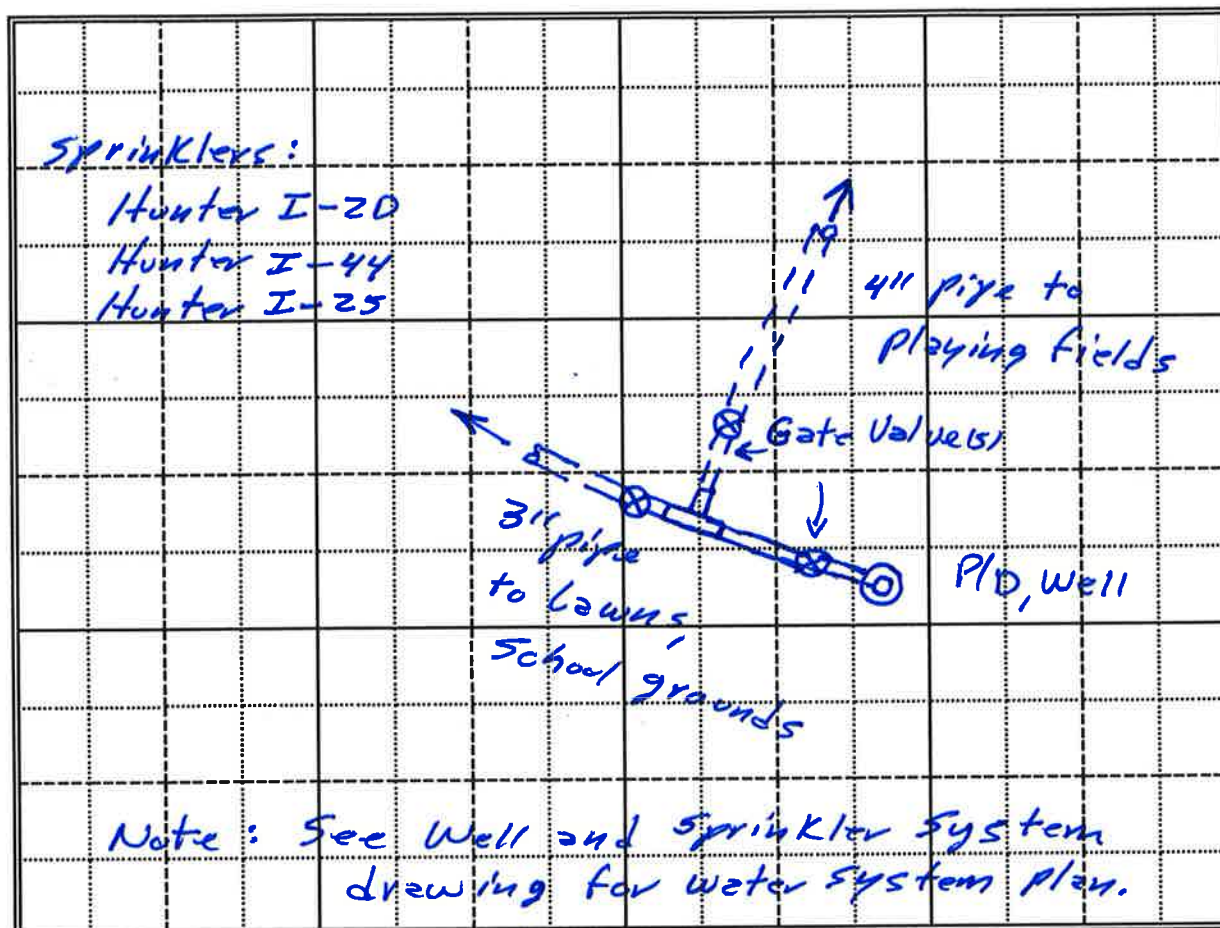


[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = No Scale

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☐ Aerial Photo Attached (required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	15		Grundfos	Model
					80X150-12

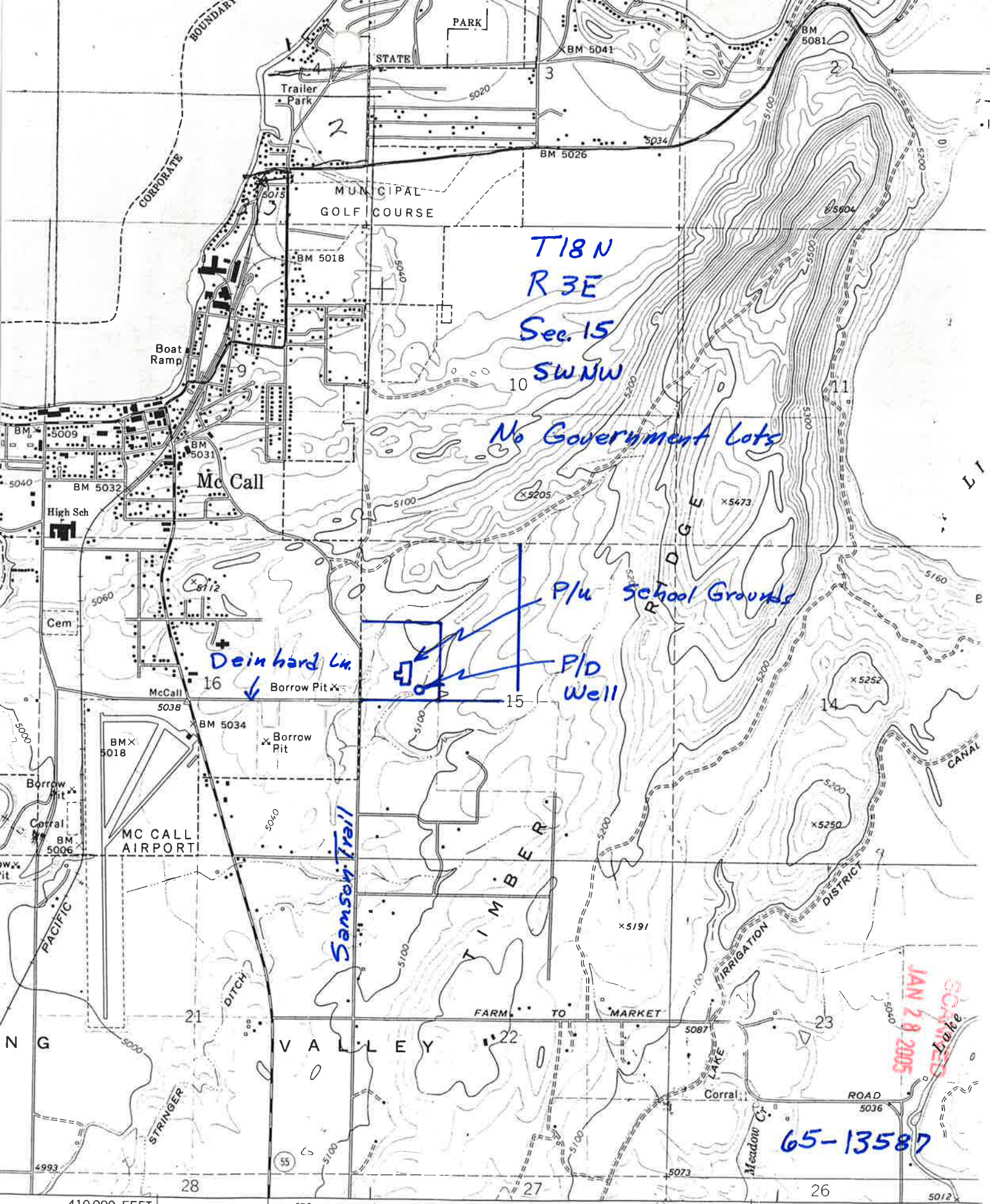
*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS Flow meter will be installed in 1998.

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: None - System operates at about 45 psi.



Geological Survey
service



LAKE FORK 2.9 MI.
CASCADE 26 MI.

(LAKE FORK)
2773' ± SE

SCANNED
JAN 28 2005

65-13587

M-D SCHOOL DIST

P/u
School

P/O
well

SW NW



1988/89?
Photo

Before
School
was
built

SUBDIVISION

T 84

WEST PLACE
SUB'D

T18N

R3E

Sec. 15

65-13587

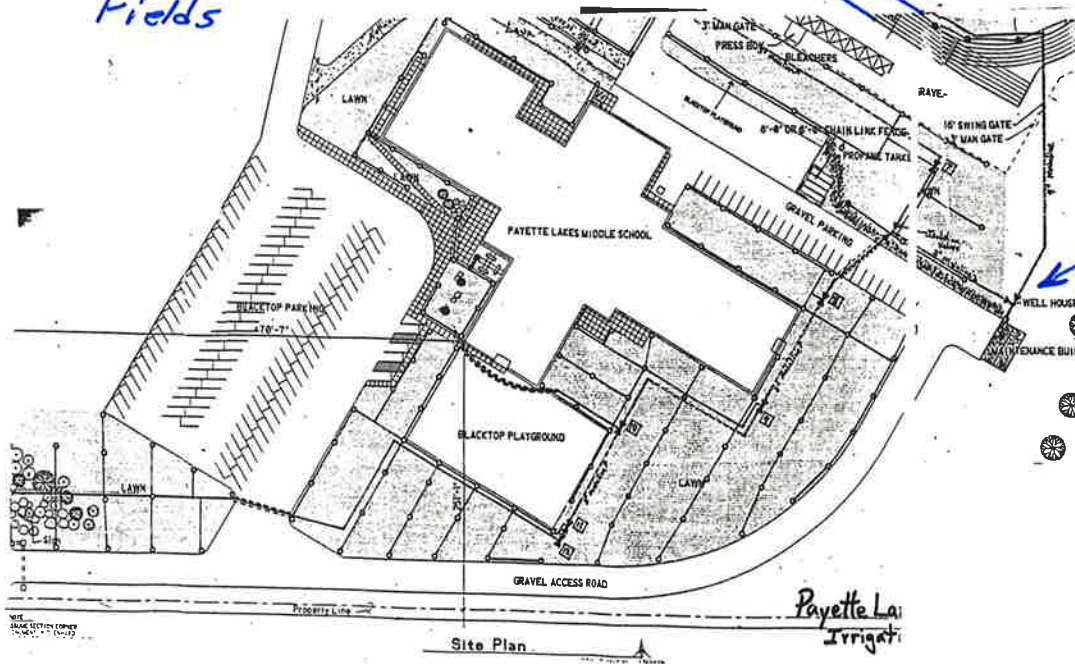
15

22

T90



P/u
Lawns,
yard,
Playing
Fields



P/O, Well

McCall - Donnelly
Middle School

Well and Sprinkler System

65-13587

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 65-95-C-0214-000 OTHER APPLICABLE NO: 65-13587

2. OWNER: McCall-Donnelly School Distr. 421 Phone: (208) 634-2161
Address: P.O. Box 944, McCall, ID 83638-0944

3. WELL LOCATION: Twp 18N, Rge. 3E, Sec. 15, SW 1/4 NW 1/4
County Valley (Provide sketch map and photo on reverse.)

4. DRILLER: Gestrin Well Drilling Lic. No. 408
When Drilled? 7-24-95 to 8-5-95

5. WELL CONSTRUCTION:

Casing Diameter 8 inches Water tight cap? ☒ Yes ☐ No Access Port: ☐ Yes ☒ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing 116 ft. Method Drilled Air Rotary
Condition of Well Casing: ☒ Good ☐ Fair ☐ Poor Describe _____
Control Valve? ☒ Yes ☐ No Pressure Gauge: ☐ Yes ☒ No
Condition of Piping and Valving Good
Auger to a depth of _____ ft. Evidence of Annular Seal ☒ Yes ☐ No
Are there obvious construction problems that may be a source for contamination or waste of water?
☐ Yes ☒ No (Describe in Remarks and Attach Photo - On Reverse)

6. HYDROLOGIC INFORMATION:

Depth to Static Water 60 ft. Water Temperature 50 °F
Flowing Artesian ☐ Yes ☒ No Pressure: _____ (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____

7. WELL USE:

☐ Domestic	☒ Irrigation	☐ Stock
☐ Test	☐ Municipal	☐ Industrial
☐ Abandoned	☐ Waste Disposal/Injection	☐ Not Used
☐ Other: _____		

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? ☐ Yes ☒ No

If yes, is there a check-valve present? ☐ Yes ☐ No

Is there a possible source of contamination nearby? ☐ Yes ☒ No

If yes, what Type? _____

How far away from the well is this source? _____

9. REMARKS:

Well is used to irrigate Middle School grounds, and is operated with a timer located in the maintenance room.

Jan Tomach Water Rights Examiner
Signature of Dept. Representative & Title

7-30-97
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:



E. NARRATIVE/REMARKS/COMMENTS

1. This permit is for the well and irrigation system for the McCall-Donnelly Middle School. The well supplies water to a 4" mainline for the playing fields sprinkler system, and to a 3" mainline for the sprinkler systems in the lawn/school grounds around the main building. The system does not have a pressure gage, but the operating pressure is about 45 psi. The system is operated by a timer located in the school maintenance room.

2. Condition 11 - There is no flow meter in the system. They plan to install the meter in 1998.

3. Condition 4 - No surface water being used.

4. Condition 11 - No records of water use are being kept.

5. Irrigated acres is 4.82 $\pm$ 5.0 Ac., not 27 Ac. or 6 Ac. as in permit or prop. The 27 Ac. in permit is total acres of school site.

6. Condition 8, 9, +10 - Aquifer Test performed by Allen Consulting, McCall, Idaho. In their 8-24-95 report, the conclusions were that only minimal impact on adjacent wells in the vicinity of the school were observed during the tests.

Have conditions of permit approval been met? ☐ yes ☒ no

They have not identified a monitoring well for providing long-term monitoring of the aquifer; Condition 10.

1) No flow meter. (cond. 11)

2) No surface water being used. (Cond. 4)

3) only 5.0 irrigated acres.

4) Monitoring well not identified

F. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: None, theoretical cal.:

$$Q_{max} = \frac{(8.8)(154P)(70\%)}{60' + (45\text{psi}) \left(\frac{34'}{14.7\text{psi}} \right)} = 0.56 \text{ cfs}$$

$$Q_{Allowed} = (0.02 \frac{\text{cfs}}{\text{Ac.}})(5.0 \text{ Ac.}) = 0.10 \text{ cfs.}$$

in permit

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (5.0 \text{ Ac.})(2.0 \frac{\text{AFA}}{\text{Ac.}}) = 10.0 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (0.10)(184)(1.9835) = 36.5$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{10.0 \text{ AFA}}$$

2. Volume Calculations for Other Uses:

$$\begin{aligned} \text{Irrigated acres} = & \left[(48' \times 100') + (30' \times 70') + \left(\frac{1}{2} \right) (135' \times 100') + (68' \times 75') \right. \\ & + (90' \times 180') + (83' \times 225') + (38' \times 130') + (90' \times 175') \\ & + (42' \times 150') + \left(\frac{1}{2} \right) (53' \times 150') + (50' \times 75') \\ & + (300' \times 195') + \frac{\pi (6.5')^2}{4} + (120' \times 115') + (110' \times 120') \\ & \left. + (55' \times 420') \right] / (66)(66)(10) \\ = & 4.82 \text{ Ac.} \approx \underline{5.0 \text{ Ac.}} \end{aligned}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>Irrigation</u>	<u>04/15</u>	<u>10/15</u>	<u>0.10</u>	<u>10.0</u>
Totals:			<u>0.10</u>	<u>10.0</u>

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

1) Acres is 5.0 Ac.
2) Irrigation Season "B", not "D".

I. AUTHENTICATION

Field Examiner's Name

Jan Tomich

Date

2-5-98

Reviewer

Date

SEAL

1 of 3



P/D
Well.
P/u
School
Lawn.

View
Looking
Northwest.



Sprinkler
System
Timer.

65-13587

2 of 3



P/u

School
grounds.

View
Looking
East.



P/u

School
grounds.

View
Looking
Northeast.

65-13587

3 of 3

Plu

Back of
School -
grounds

View
Looking
Northwest.



Plu
Playing
field.

View
Looking
East.



65-13587