

MEMO

TO: File 65-13886

FROM: CPadilla

DATE: November 24, 2010

RE: Licensing Review Memo + Well Driller Reports (2)

Time Line:

Application for Permit Received: 6/11/99

Permit Approved: 8/20/99

Proof of Beneficial Use Received: 12/27/00 (recvd late, priority advanced to 2/22/01)

Field Exam Conducted: 6/13/02

Conditioning:

Comment	Water Permit Condition Report
Carry to license as standard for fire protection.	077 Water shall not be diverted for fire protection use under this right except to fight or repel an existing fire.
Doesn't carry to license	046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
Changes to 103 at licensing	120 The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary for this purpose will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
Carry to license. Update to include school name	Domestic use is for a middle school within the Emmett School District.
Doesn't carry to license. Quality reports are in field exam. It appears that condition was met.	081 Use of water under this approval shall comply with applicable water quality standards of the Division of Environmental Quality of the Idaho Department of Health and Welfare.

POU Overlap Analysis: There is one other right that covers the school, 65-23037. At this time 65-23037 is a permit for the irrigation of 8 acres on school grounds. This is within the Emmett Irrigation District but the school does not utilize surface water.

PD Summary: There are two wells. One is used for fire protection mainly and is used as a back-up well for the domestic use. The other well is primarily used for domestic use. The field examiner found that the domestic well was also used for the irrigation of 8 acres within the school grounds. *Note the wells are not interconnected.*

Tag #	Location	Rights that Use PD	Capacity	Uses
D0009711	SWSW Sec 34 7N 2W	65-13886 65-23037	0.21 cfs	Domestic and Irrigation for school
D0012674	SWSW Sec 34 7N 2W	65-13886	4.46 cfs	Fire Protection

Volume and Diversion Rate: No volume is assigned to the fire protection use. The field examiner went through great lengths to calculate a volume based on student and staff numbers and I agree with his findings of 6.3 afa.

The diversion rate is limited by the amount that was permitted of 3.56 cfs. The field examiner recommended 3.55 cfs since the domestic well has a capacity of 0.21 cfs. The fire protection well can be used as a back-up well and has plenty of available capacity. However, per the field examiner's recommendation, it's not viable to use the fire well for anything except fire suppression. I recommend licensing the rate of 0.21 cfs for domestic and 3.34 cfs for fire protection.

Amendment Needed?: An amendment application to add a point of diversion was sent 8/31/2000. A fee was not received with the application and the application was never processed or mailed back to the permit holder. The dept will need an amendment to add a point of diversion but the application that was received in 2000 did not have an original signature. I will return that original application for amendment and send a new one to the right holder and obtain the \$50 amendment fee.

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ : _____ Long: _____ : _____

1. WELL TAG NO. D 0012074
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name School District No. 221
Address 601 E. 3rd Street
City Emmett State Id Zip 83601

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W
E
S
Twp. 7 North ☒ or South ☐
Rge. 2 East ☐ or West ☒
Sec. 34 SW 1/4 SW 1/4 SW 1/4
Gov't Lot _____ County Gem
Lat: _____ Long: _____
Address of Well Site Mesa Ave.
City _____
(Give at least name of road - Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

- ☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Fire protection

5. TYPE OF WORK check all that apply

- ☐ New Well ☐ Modify ☐ Abandonment ☒ Other Fire protection

6. DRILL METHOD

- ☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other Reverse

7. SEALING PROCEDURES

SEAL/FILTER PACK	AMOUNT	METHOD
Material	From To Sacks or Pounds	
<u>Bentone 5/8</u>	<u>0 285</u> <u>50.000</u>	<u>Overhaul</u>
<u>ESST #6 #12</u>	<u>285 440</u> <u>24.030</u>	<u>Overhaul</u>

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

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>18"</u>	<u>±3</u>	<u>285'</u>	<u>3.6</u>	<u>Steel</u>	☒	☐	☒	☐
<u>10"</u>	<u>285</u>	<u>290'</u>	<u>3.6</u>	<u>Steel</u>	☒	☐	☒	☐
<u>10"</u>	<u>440</u>	<u>450'</u>	<u>3.6</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe 30' Length of Tailpipe 10'

9. PERFORATIONS/SCREENS

Perforations

Method

Screen Type Wire wrap S.S.

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>290'</u>	<u>440'</u>	<u>.040</u>		<u>10"</u>	<u>SS</u>	☒	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

59' ft. below ground - Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: 2" Access pipe

11. WELL TESTS:

- ☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>1500</u>	<u>28'</u>	<u>87'</u>	<u>6 Hrs</u>

Water Temp. 56° Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
<u>28"</u>	<u>0</u>	<u>13</u>	<u>Top Soil, Clayey</u>			
	<u>13</u>	<u>70</u>	<u>Gravel & Sand</u>			
	<u>70</u>	<u>73</u>	<u>Tan Clay</u>			
	<u>70</u>	<u>96</u>	<u>Coarse Sand</u>			
	<u>96</u>	<u>100</u>	<u>Blue Clay</u>			
	<u>100</u>	<u>138</u>	<u>Coarse Sand</u>			
	<u>138</u>	<u>154</u>	<u>Blue Clay</u>			
	<u>154</u>	<u>160</u>	<u>Blue Clay w/ sh. Sand</u>			
	<u>160</u>	<u>181</u>	<u>Coarse Sand</u>			
	<u>181</u>	<u>191</u>	<u>Blue Clay</u>			
	<u>191</u>	<u>450</u>	<u>Coarse Sand & Gravel</u>			

28" Hole To 285'
18" Hole to 450'

RECEIVED

DEC 22 2000

Department of Water Resources

Completed Depth 450' (Measurable)
Date: Started 1-18-00 Completed 4-20-00

13. DRILLER'S CERTIFICATION

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

Company Name Riverside Inc. Firm No. 333

Firm Official [Signature] Date _____
and _____
Driller or Operator [Signature] Date 12-18-00
(Sign only if Firm Official & Operator)

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