

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-11690

Exam Date: 2/5/2015

1. Current Owner: MYERS WATER ASSN INC
C/O JANET JOHNSON
9317 W PRAIRIE AVE
POST FALLS ID 83854
(208)661-7403
2. Accompanied by: Bill Johnson
Phone No: Same as above

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 SW1/4SW1/4 Sec. 24, Twp 51N, Rge 05W, B.M. KOOTENAI County

Method of Determination: GPS and Maps. POD location at 47° 44.806N, 116° 54.869W (A0003278)

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 24	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
											X						

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 24	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
											3.0						3.0

Total Acres: 3

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 24	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
											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</u> <u>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</u> <u>Size</u>
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95-78-N-29	FRANKLIN	40			
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*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method: MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.
THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT 332.2GPM OR 0.74CFS. SEE ATTACHED

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3AC \times 3AF = 9AF$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .09 \times 231 \times 1.9835 = 41.2AF$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 9AF$$

2. Volume Calculations for Other Uses:

DOMESTIC FOR 6 HOMES - 6HOMES X 0.6AF = 3.6 AF

STOCKWATER FOR 15 MIXED STOCK - 15STOCK X 12GPD X 365DAYS / 325,850 = 0.2AF

G. NARRATIVE/REMARKS/COMMENTS

SITE VISIT REQUIRED TO VERIFY ACREAGE IRRIGATED, NUMBER OF STOCK, AND SIZE OF PUMP IN WELL. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT 332.2GPM OR 0.74CFS. THIS RATE IS HIGHER THAN PERMITTED RATE. LICENSE WILL BE ISSUED FOR 0.20CFS OR 90GPM.

SITE VISIT SHOWED 15 HEAD OF MIXED STOCK, DOWN FROM PERMITTED 35. IRRIGATION OF 1/2 ACRE PER LOT. TOTAL OF 6 HOMES SERVICED.

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>
DOMESTIC	01/01 to 12/31	0.120 CFS	3.60 AF
IRRIGATION	03/15 to 11/01	0.090 CFS	9.00 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.20 AF
<u>Totals:</u>		0.200 CFS	12.80 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 Adam Frederick Date 2/6/2015

Reviewer Eric Davis Date 2-6-2015

95-
11690

		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/ H	40	381.020 4	0.8	270	48
Q = 0.740 cfs 332.2 gpm						

State of Idaho
Department of Water Resources
Water Right License
95-11690



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.045 0.09 0.18 Miles





95-11690

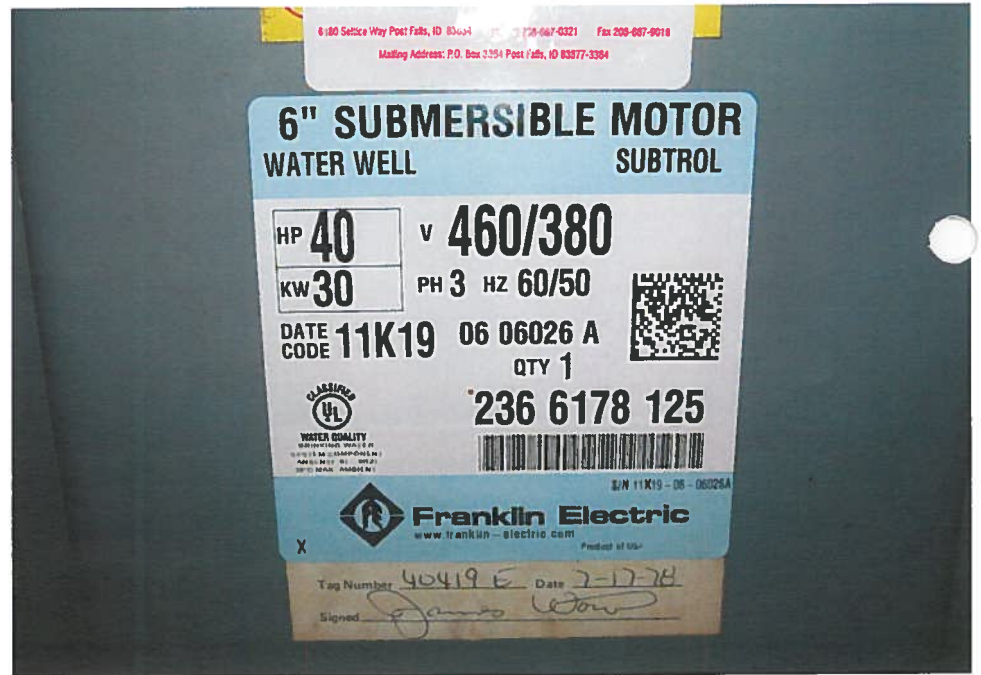


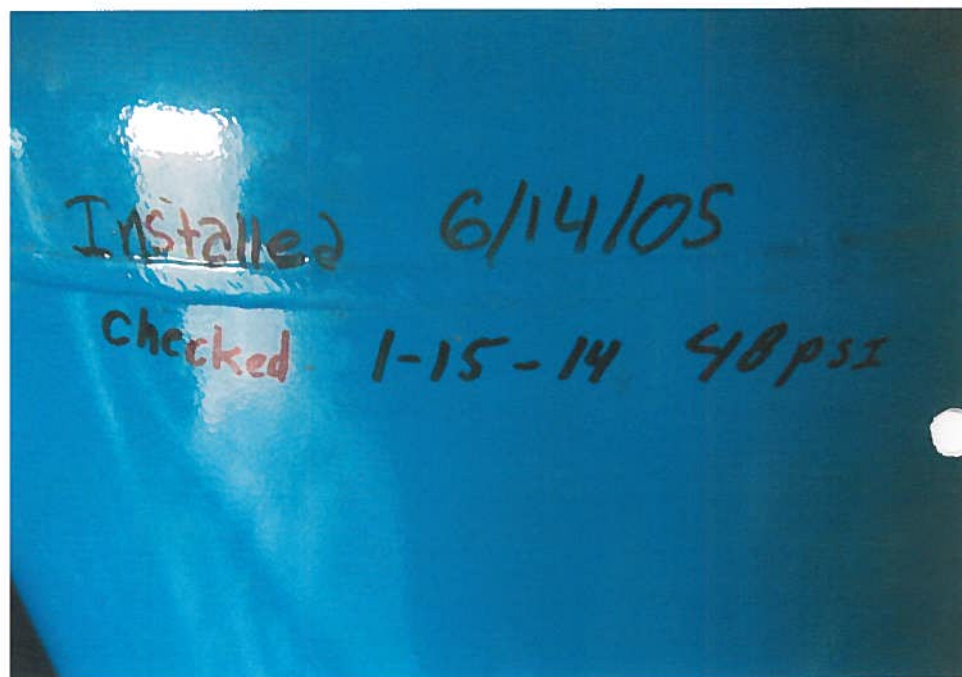
95-11692



95-11690

A photograph of a small, light-colored house with a dark roof and a small brown-roofed addition. The house is surrounded by trees and a fence, with mountains visible in the background.





95-11622

95-11690

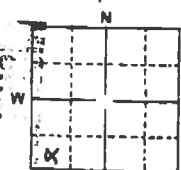


USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Bill Myers</u> Address <u>East Falls Idaho 83864</u> Owner's Permit No. <u>95-78-N-29</u>		7. WATER LEVEL Static water level <u>237</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning)		8. WELL TEST DATA ☐ Pump ☒ Bailer ☐ Other Discharge G.P.M. <u>40</u> Draw Down <u>0</u> Hours Pumped <u>3</u> <u>To Drop 10' to reach water for good test</u> <u>Test well designed for 300 gpm.</u>																																																																																																					
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>10</td><td>0</td><td>60</td><td>Very large gravel</td><td></td><td></td></tr><tr><td>8</td><td>60</td><td>80</td><td>Cobble stones</td><td></td><td></td></tr><tr><td>8</td><td>80</td><td>101</td><td>Gravel large & small</td><td></td><td></td></tr><tr><td></td><td>101</td><td>106</td><td>Boulder 8"</td><td></td><td></td></tr><tr><td></td><td>106</td><td>131</td><td>Gravel 3" medium</td><td></td><td></td></tr><tr><td></td><td>131</td><td>141</td><td>Gravel 5' sand</td><td></td><td></td></tr><tr><td></td><td>141</td><td>170</td><td>Gravel 1/2" sand</td><td></td><td></td></tr><tr><td>8</td><td>170</td><td>188</td><td>Cobble stones</td><td></td><td></td></tr><tr><td>8</td><td>188</td><td>208</td><td>Sand tight</td><td></td><td></td></tr><tr><td></td><td>208</td><td>215</td><td>Gravel 9' sand & gravel</td><td></td><td></td></tr><tr><td></td><td>215</td><td>261</td><td>Gravel large 5' medium</td><td></td><td></td></tr><tr><td></td><td>261</td><td>265</td><td>Boulder</td><td></td><td></td></tr><tr><td></td><td>265</td><td>277</td><td>Gravel 3" medium</td><td></td><td></td></tr><tr><td></td><td>277</td><td>282</td><td>Gravel 1" medium 5' sand</td><td></td><td></td></tr><tr><td>8</td><td>282</td><td>286</td><td>Gravel 4" medium 5' sand</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	10	0	60	Very large gravel			8	60	80	Cobble stones			8	80	101	Gravel large & small				101	106	Boulder 8"				106	131	Gravel 3" medium				131	141	Gravel 5' sand				141	170	Gravel 1/2" sand			8	170	188	Cobble stones			8	188	208	Sand tight				208	215	Gravel 9' sand & gravel				215	261	Gravel large 5' medium				261	265	Boulder				265	277	Gravel 3" medium				277	282	Gravel 1" medium 5' sand			8	282	286	Gravel 4" medium 5' sand		
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4. METHOD DRILLED ☒ Cable ☒ Rotary ☐ Dug ☐ Other																																																																																																							
5. WELL CONSTRUCTION Diameter of hole <u>8</u> inches Total depth <u>286</u> feet Casing schedule: ☐ Steel ☐ Concrete Thickness Diameter From To <u>150</u> inches <u>8</u> inches <u>1</u> feet <u>286</u> feet _____ inches _____ inches _____ feet _____ 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 <u>1/4</u> inches by <u>2 1/2</u> inches Number From To <u>100</u> perforations <u>271</u> feet <u>282</u> feet _____ perforations _____ feet _____ 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 <u>20</u> Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings Sealing procedure used ☐ Sherry pit ☒ Temporary surface casing ☒ Overbore to seal depth																																																																																																							
6. LOCATION OF WELL Sketch map location must agree with written location. <u>95</u>  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Kootenai</u> <u>SW 1/4 Sec. 24 T. 51 N. 8. R. 5 W</u>		10. Work started <u>May 8-78</u> finished <u>May 15-78</u>																																																																																																					
11. DRILLERS CERTIFICATION Firm Name <u>Ed Hartman Drilling Co</u> Firm No. <u>105</u> Address <u>Local Pines Rd. 500 ft. from 5-78</u> Signed by (Firm Official) <u>[Signature]</u> and (Operator) <u>[Signature]</u>																																																																																																							

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT