

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10514

Exam Date: 7-29-2014

1. Current Owner: ANDY HORTHER
PO BOX 232
HAYDEN ID 83835
(208)660-6615
2. Accompanied by: in office exam.

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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW1/4NE1/4 Sec. 2, Twp 51N, Rge 04W, B.M. KOOTENAI County

Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 04W 2	<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 04W 2	<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>	
			1.0														1.0

Total Acres: 1

Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

Diversion

D. FLOW MEASUREMENTS

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

E. FLOW CALCULATIONS

The diversion rate for this domestic right is limited to 0.04 cfs or 18 gpm.
The diversion rate for this irrigation right is limited to 0.03 cfs or 13.5 gpm.

F. VOLUME CALCULATIONS

The annual volume for this domestic right in home is limited to = 0.6 AF.
The annual volume for this domestic right for irrigation is limited to = 0.6 AF
The annual volume for this irrigation right for 1ac is limited to = 3.0 AF.

G. NARRATIVE/REMARKS/COMMENTS The total irrigation for this water right is for irrigation up to 1.5ac.

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	0.040 CFS	1.20 AF
IRRIGATION	03/15 to 11/15	0.030 CFS	3.00 AF
<u>Totals:</u>		0.060 CFS	4.20 AF

2. Recommended Amendments

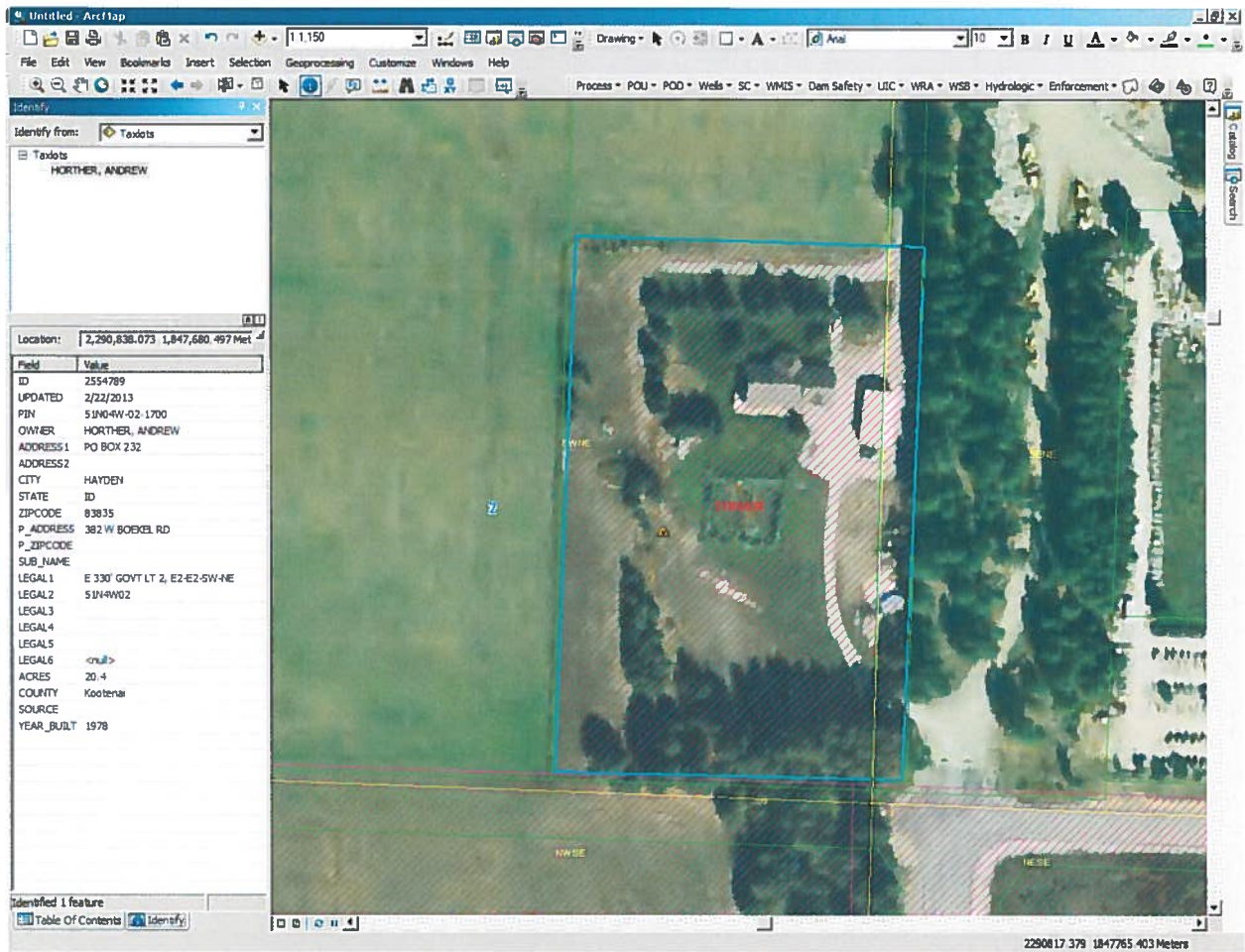
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Emily [Signature] Date 7-29-2014

Reviewer Beth [Signature] Date 8-1-2014



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>Henry Nagel</u> Address <u>1703 Haycraft Condon Delene</u> <u>Idaho 83814</u> Owner's Permit No. <u>95-78-N-117</u>	7. WATER LEVEL Static water level <u>312</u> feet below land surface Flowing? ☐ Yes ☐ No G.P.M. flow <u>15</u> 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 <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Draw Down</th><th>Hours Pumped</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	Discharge G.P.M.	Draw Down	Hours Pumped																																																																																																								
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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 rowspan="2">Water Yes; No</th></tr><tr><th>From</th><th>To</th></tr></thead><tbody><tr><td>6"</td><td>0</td><td>28</td><td>SAND, GRAVEL, ROCKS</td><td> </td></tr><tr><td> </td><td>28</td><td>52</td><td>SANDY CLAY, GRAVEL</td><td> </td></tr><tr><td> </td><td>52</td><td>76</td><td>SAND, GRAVEL</td><td> </td></tr><tr><td> </td><td>76</td><td>97</td><td>SAND, COARSE GRAVEL</td><td> </td></tr><tr><td> </td><td>97</td><td>98</td><td>BOULDER</td><td> </td></tr><tr><td> </td><td>98</td><td>101</td><td>COARSE GRAVEL</td><td> </td></tr><tr><td> </td><td>101</td><td>102</td><td>BOULDER</td><td> </td></tr><tr><td> </td><td>102</td><td>104</td><td>COARSE GRAVEL</td><td> </td></tr><tr><td> </td><td>104</td><td>105</td><td>BOULDER</td><td> </td></tr><tr><td> </td><td>105</td><td>150</td><td>SAND, COARSE GRAVEL</td><td> </td></tr><tr><td> </td><td>150</td><td>154</td><td>SAND, CLAY</td><td> </td></tr><tr><td> </td><td>154</td><td>200</td><td>SAND, GRAVEL</td><td> </td></tr><tr><td> </td><td>200</td><td>224</td><td>COARSE SAND</td><td> </td></tr><tr><td> </td><td>224</td><td>269</td><td>SAND, GRAVEL</td><td> </td></tr><tr><td> </td><td>269</td><td>291</td><td>COARSE SAND</td><td> </td></tr><tr><td> </td><td>291</td><td>315</td><td>med. sand</td><td>X</td></tr><tr><td> </td><td>315</td><td>334</td><td>COARSE SAND, GRAVEL</td><td>X</td></tr><tr><td> </td><td>334</td><td>339</td><td>SAND, GRAVEL</td><td>X</td></tr><tr><td> </td><td>339</td><td>340</td><td>GRAVEL, CLAY + GESSITE</td><td>X</td></tr><tr><td> </td><td>340</td><td>359</td><td>FINE SAND</td><td>X</td></tr></tbody></table>	Hole Diam.	Depth		Material	Water Yes; No	From	To	6"	0	28	SAND, GRAVEL, ROCKS			28	52	SANDY CLAY, GRAVEL			52	76	SAND, GRAVEL			76	97	SAND, COARSE GRAVEL			97	98	BOULDER			98	101	COARSE GRAVEL			101	102	BOULDER			102	104	COARSE GRAVEL			104	105	BOULDER			105	150	SAND, COARSE GRAVEL			150	154	SAND, CLAY			154	200	SAND, GRAVEL			200	224	COARSE SAND			224	269	SAND, GRAVEL			269	291	COARSE SAND			291	315	med. sand	X		315	334	COARSE SAND, GRAVEL	X		334	339	SAND, GRAVEL	X		339	340	GRAVEL, CLAY + GESSITE	X		340	359	FINE SAND	X
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4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other	RECEIVED OCT 19 1978 Department of Water Resources Northern District Office																																																																																																											
5. WELL CONSTRUCTION Diameter of hole <u>6</u> inches Total depth <u>359</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness <u>1.250</u> inches Diameter <u>6</u> inches From <u>12</u> feet To <u>346</u> 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 _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>Johnson</u> Type <u>Stainless</u> Model No. _____ Diameter <u>6</u> Slot size <u>10/60</u> Set from <u>338</u> feet to <u>359</u> 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 ☒ Pudding clay ☐ Well cuttings Sealing procedure used ☐ Shurry pit ☐ Temporary surface casing ☒ Overbore to seal depth																																																																																																												
6. LOCATION OF WELL Sketch map location must agree with written location. Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Rootenai</u> <u>SW 1/4 NE 1/4</u> Sec. <u>2</u> T. <u>51</u> S. R. <u>46</u> W. E/W																																																																																																												
10. Work started <u>8-15-78</u> finished <u>9-25-78</u>																																																																																																												
11. DRILLERS CERTIFICATION Firm Name <u>E.A. Holman Drilling Co</u> Firm No. <u>105</u> Address <u>51401 Pines Spokane Wa</u> Date <u>10/2/78</u> Signed by (Firm Official) <u>William Ray</u> and (Operator) <u>Donald L. Kuhl</u>																																																																																																												

USE ADDITIONAL SHEETS IF NECESSARY. FORWARD THE WHITE COPY TO THE DEPARTMENT