

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-7649

Exam Date: 8/22/2012

1. Current Owner: ROBERT H ROSS
115 MOUGHMER POINT RD
COTTONWOOD ID 83522
(208)962-7740

2. Accompanied by: Not accompanied by anyone, but had permission to go on the premises, via Mrs. Ross (phone).

3. SOURCE

SPRINGS
UNNAMED STREAM

TRIBUTARY

SHEBANG CREEK
SHEBANG CREEK

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:**

UNNAMED STREAM SE1/4SW1/4 Sec. 8, Twp 31N, Rge 01E, B.M. IDAHO County
SPRINGS SW1/4SW1/4SE1/4 Sec. 8, Twp 31N, Rge 01E, B.M. IDAHO County

Method of Determination: Garmin GPS Map76S, and Arc Map 2004 and 2009 imagery

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
31N	01E	8															X		

Method of Determination: Garmin GPS Map76S, and Arc Map 2004 and 2009 imagery

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.

Well or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge Size**

Unnamed stream (no flow at the time of the field examination)

Spring located in the bottom of the pond (not able to measure, due to no overflow from the pond)

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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No physical measurement collected at the time of the field examination from the unnamed stream, since no active flow.

No physical measurement collected from the spring located at the bottom of the pond, since there was no overflow.

2. Measurements:

Pipe Conversion from the 4-inch overflow at the southeast side of the dam = 0.44 cfs maximum capacity

Exh. 15A Recommended Diversion Rate for 15 head of cattle: 0 – 25 head = 0.02 cfs

RECOMMEND: 0.02 cfs as permitted**E. VOLUME CALCULATIONS**

1. Volume Calculations for Stockwater (15 head cattle):

$$V_{I.R.} = (15 \text{ head cattle} \times 12 \text{ gpd} \times 365 \text{ days per year}) / 325,850 = 0.2 \text{ AF}$$

$$V_{D.R.} = [0.02 \text{ (cfs)}] \times (365 \text{ days}) \times 1.9835 = 14.5 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.2 \text{ AF}$$

RECOMMEND: 0.2 AF**F. NARRATIVE/REMARKS/COMMENTS**

During the field examination, there was no live flow from the unnamed stream, although there was evidence that historically there had been flow, due to the vegetation growth down the stream bed entering into the pond. The pond is 0.43 acres X 7-ft deep = 3.01 af (a stockwater storage use component is needed). The spring is located in the middle of the pond (which day-lighted when the pond was dug), with an 8 ft dam on the southern end of the pond. There is a 4 inch overflow discharge on the southeast side of the dam, but there was no overflow at the time of the field exam. If there were overflow, it would continue running down the ditch for the unnamed stream. Stockwater use is for 15 head of cattle. The permit states 2 groundwater PODs, but if you look at the POD Source Clarification Memo, it explains that there never was any intent to drill a well, and these were always the intended sources to be used for this water right (nothing changed). The field exam was conducted on 8/22/2012, but the pictures were accidentally deleted from the camera, so when I was in the area again, the pictures were retaken on 10/3/2012.

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>
STOCKWATER	01/01 to 12/31	0.020 CFS	0.20 AF
<u>Totals:</u>		0.020 CFS	0.20 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



Date

6/24/2013



Pod
spring
over-
flow
Pod
pond
7'
average
depth

10/03/2012



Pod
unnamed
stream

10/03/2012

SESW

SWSE

POD
unnamed stream

POU
pond, deep center
14' average

POD (springs in bottom
of pond)

overflow
to unnamed stream

NENW

NWNE

MEMORANDUM

Date: June 24, 2013
To: Water Right File 85-7649
From: shemenway
Re: POD Source Clarification

The approved permit showed the source as Ground water. Reviewing the file, the original application showed the source of the water supply as Ground water, but under the well information it indicated Non-applicable for the well diameter, proposed depth of the well, if the well was already drilled, drilling firm, when the well was drilled, and drilling permit number (indicating that there was really no well). For this reason, more information was requested by the owner, since the 10/3/2012 on-sight field examination confirmed no groundwater, but rather an Unnamed Stream, and Springs. Mr. Ross sent a written description of the system along with a map indicating the location of the POD and POU. In the letter, Mr. Ross stated that the pond was 14 ft deep in the middle, and an average of about 7 ft. That there were springs located in the bottom of the pond, plus some run off from the creek below the trees, indicated by the arrows drawn on the map. On October 16, 2012, I called (208)962-7740, and spoke with Donna Ross (wife of Robert Ross). Donna indicated that nothing has changed on the system, that they had never had any intention to drill a well, and by digging the pond they developed the springs to maintain the level of the pond. That when there is run-off from rain or snow melt, that the Unnamed Stream flows. She indicated that they never changed the location where they were developing the pond. Reviewing ArcMap for the Unnamed Stream location, and following it down the Shebang Creek, there are no other water rights that would be harmed by this change. It has been determined that since there were never any changes made in any way, and there had never been any intent to drill any wells, that the sources of the points of diversion for licensing purposes will be clarified as an Unnamed Stream and Springs, instead of Ground Water.



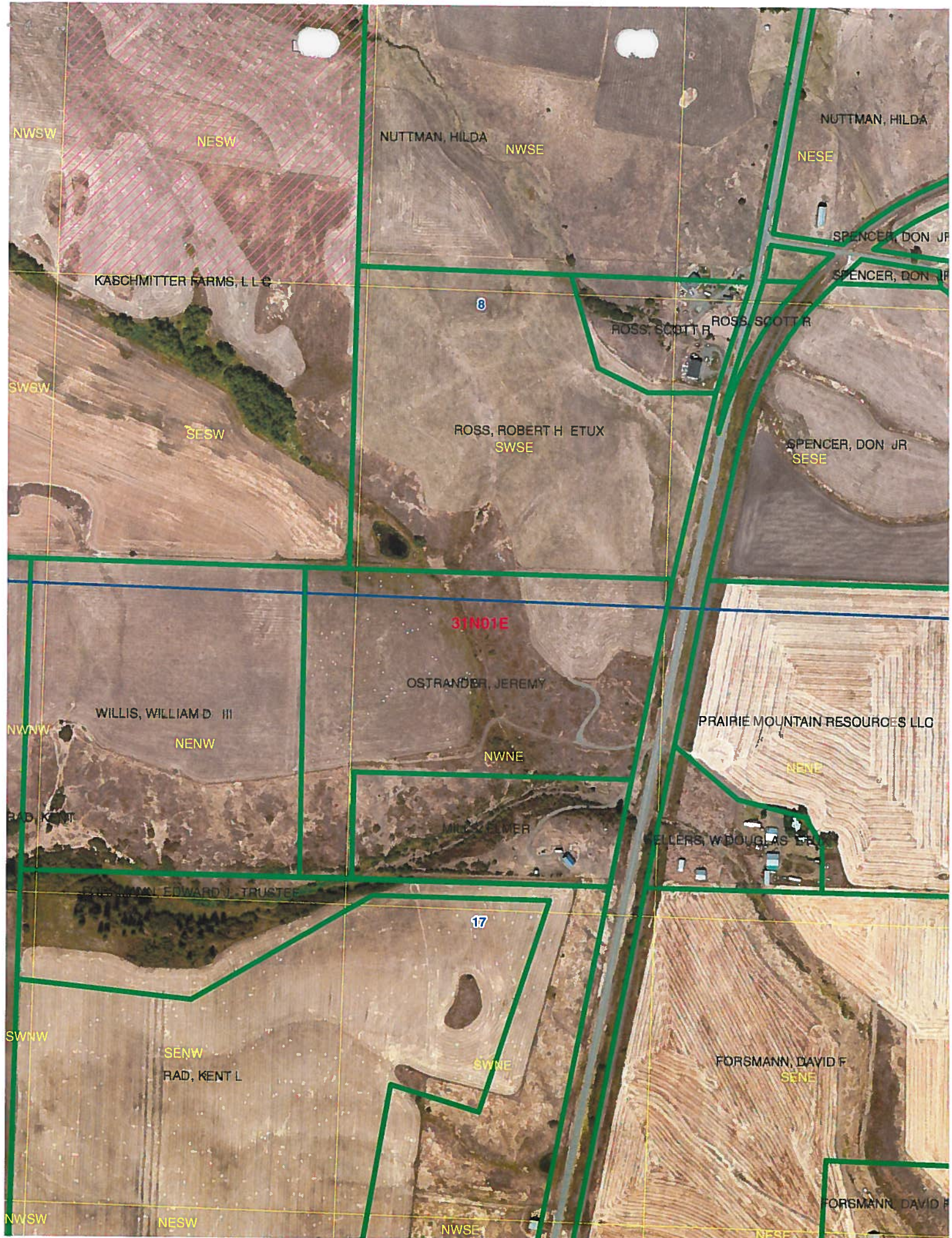
The pond is about 14' deep at the middle. so average is about 7'.

Springs in bottom of pond, plus some run-off from the creek below the green trees, indicated by the arrows.



85-7649

Just a note...





95-71-19