

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

DEC 05 2016

Department of Water Resources
Eastern Region

#1

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 35-140131. Owner Chris Blake(208)
Phone No. 524-5871 & 589-8604Current address P.O. Box 50538, Idaho Falls, ID 83405 & 1121 N 545 E, Firth, ID 832362. Examiner's name Keith C. Wilson, Rocky Mountain Environmental Assoc EXAM DATE January 7, 2013482 Constitution Way, Ste 303, Idaho Falls, ID 83402 [(208) 524-2353]3. Accompanied by N/A Email _____

Address _____

Relationship to permit holder Water Rights Consulting Firm(208)
Phone No. 524-2353 // 524-1795 Fax4. Source Ground Water tributary to _____**B. OVERLAP REVIEW**1. Other water rights with the same place of use None2. Other water rights with the same source and point of diversion 35-14070**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
			SW	SW	6	1S	37E	Bingham	Aerial Photos & USGS Quad Maps

2. Place(s) of Use: Method of determination Aerial Photos (Google + IDWR Database + USGS Quad Maps)

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1S	37E	6										R							

R = Recreational Storage

35-1401:

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

Scale: 1" = _____

- ☒ 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. **Pond Storage Volume - Only**

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

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

D. **FLOW MEASUREMENTS** **Pond Storage Volume - Only**

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Pond Volume Calculations						

2. **Measurements:** _____

As-Built Design. Maximum depth of approximately 21 feet and a surface area of 2.1 acres. Maximum depth provided by permit holder.

E. NARRATIVE/REMARKS/COMMENTS

An impermeable liner has been installed and maintained to eliminate seepage losses. This permit is only for the storage component for a recreational pond. The pond has a surface area of 2.1 acres with a maximum depth of 21 feet. The following formula is used to calculate the total volume of the pond:

Volume = (surface area) x (maximum depth) x (0.4) = Total Volume in acre-feet.

Volume = (20.1 acres) x (21.0 ft) x (0.4) = 17.6 acre-feet

Water to replace evaporation losses associated with the pond is provided by decreed water right 35-14070. Water right 35-14070 is also for the Irrigation of 3.5 acres and provides for the Recreational Storage, and Diversion to Storage components for the pond. The delivery system for 35-14070 diverts water into a mainline that can deliver water directly into the pond and/or directly into the sprinkler system for irrigation.

Prior to the diversion of ground water to storage, for the initial fill and any subsequent fills, authorization will be obtained pursuant to a water supply bank lease or other approval from the Department of Water Resources.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

See Storage Volume Calculations (Item G.2)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}} \text{ N/A}$ $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}} \text{ N/A}$ $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\hspace{2cm}} \text{ N/A}$ 2. Volume Calculations for Other Uses: Recreational Storage Calculations

Surface area of pond calculated using ARC-GIS = 2.1 acres

As-built the maximum depth of pond is 21feet.

Volume = (Surface Area in Acres) x (Maximum Depth in Feet) x (0.4)

 $= (2.1 \text{ acres}) \times (21 \text{ feet}) \times (0.4) = 17.6 \text{ acre feet}$ **H. RECOMMENDATIONS**

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Recreational Storage	01/01	12/31		17.6 afa
Totals:				17.6 afa

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature _____ Date _____

Reviewer Keith C. Wilson Date 4/19/2013

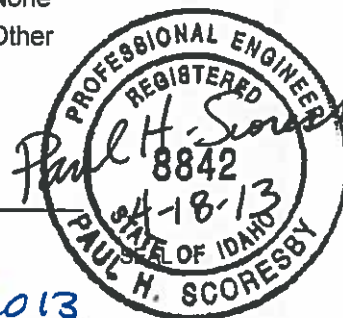
Keith C. Wilson, Senior Water Rights Analyst

(208) 524-2353

Rocky Mountain Environmental Assoc. Inc.

(208) 524-1795 Fax

482 Constitution Way, Ste 303, Idaho Falls, ID 83402



35-14013

WATER RIGHT NO. 35-14013

Owner Type	Name and Address
Current Owner	CHRIS BLAKE
	PO BOX 50538, IDAHO FALLS, ID 83405
Representative	ROCKY MOUNTAIN ENVIRONMENTAL ASSOC
	482 CONSTITUTION WAY STE 303, IDAHO FALLS, ID 83402

Priority Date: 02/19/2010

Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
RECREATION STORAGE	01/01	12/31		17.6 AFA
Total Diversion			17.6 AFA	

Location of Point(s) of Diversion:

GROUND WATER	SWSW	Sec. 06	Township 01S	Range 37E	BINGHAM County
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Place of Use Legal Description: RECREATION STORAGE BINGHAM County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
01S	37E	6		SWSW										

Conditions of Approval:

1.	220	The pond established by the storage of water under this right shall not exceed a total capacity of 17.6 acre-feet or a total surface area of 2.6 acre(s).
2.		This right does not authorize the diversion of ground water to storage. The diversion of ground water to storage for the initial fill and any subsequent fills must be authorized pursuant to a water supply bank lease or other approval from the Department of Water Resources.
3.		This right only authorizes the storage of groundwater for recreational purposes.
4.		The diversion of ground water to replace evaporative losses from the recreation pond is authorized under right 35-14070.
5.	221	The right holder shall install and maintain an impermeable liner in the pond to eliminate seepage losses.
6.	R05	Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 120.
7.	027	Use of water under this right shall be non-consumptive.
8.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
9.	069	Failure of the right holder to comply with any condition of approval is cause for the Director to cancel this permit.
10.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.

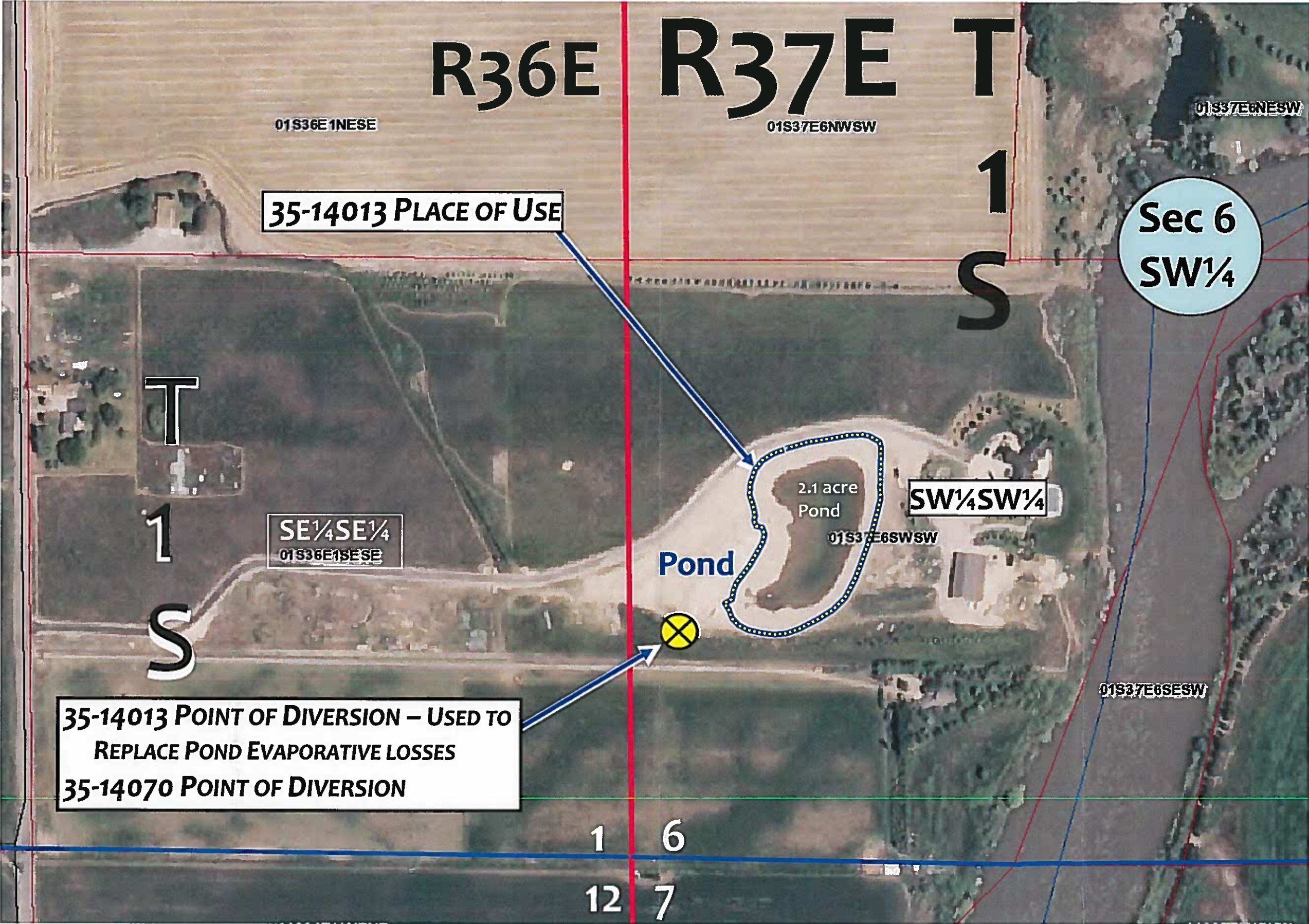
Proof Due Date: 01/01/2017

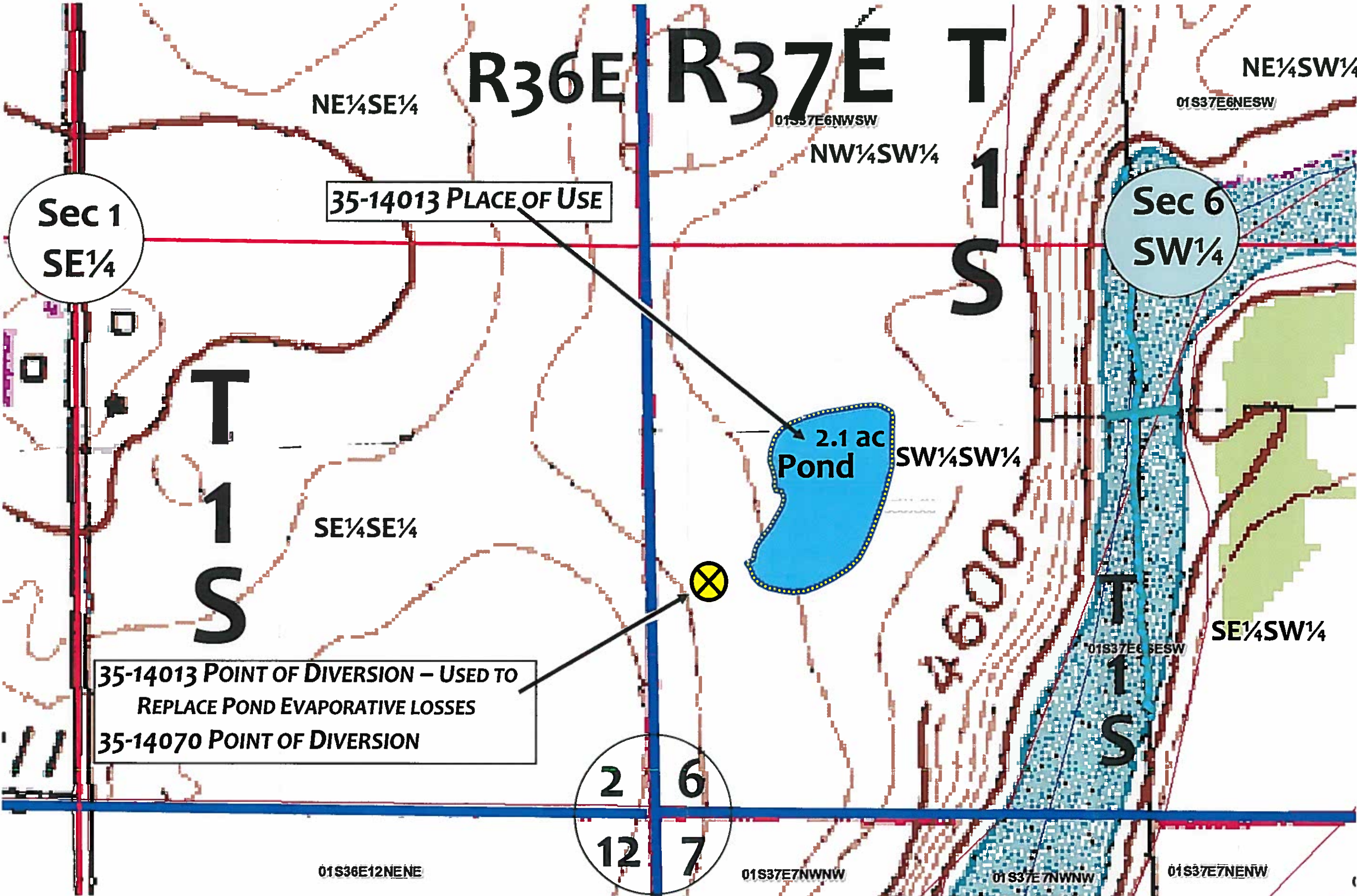
Proof Made Date:

Approved Date: 01/18/2011

Water District Number: 120







STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT #2

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 35-140131. Owner AMANDA BLAKEPhone No. 208-589-8604Current address 1121 N 575 E FIRTH, ID. 832362. Examiner's name CASS JONESEXAM DATE 5/15/173. Accompanied by AMANDA BLAKE

Email _____

Address 1121N 575 E FIRTH, ID. 83236Relationship to permit holder OWNERPhone No. 208-589-86044. Source GROUND WATER

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use 35-140702. Other water rights with the same source and point of diversion 35-14070**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
	7		SW	SW	06	01S	37E	BINGHAM	GPS

2. Place(s) of Use:

Method of determination

Site Visit : Aerial Photography

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	37E	06											X						
													L7						

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.

Scale: 1" = _____

- ☒ 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

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: _____

Pond has a surface area of 2.6 acres and a maximum construction depth of 21'. Maximum depth provided by permit holder.

E. NARRATIVE/REMARKS/COMMENTS

The pond has a surface area of approx. 2.6 acres and a maximum construction depth of 21'. Water to replace evaporative losses associated with the pond are provided by water right 35-14070. Owner says that they have not had to fill the pond since the initial fill.

Prior to the diversion of ground water to storage, for the initial fill and any subsequent fills, authorization will be obtained pursuant to a water supply bank lease.

A impermeable liner has been installed to reduce seepage losses.

An ownership change was submitted at the same time the statement of completion was submitted. A copy of the deed and all other documentation is included at the end of this form.

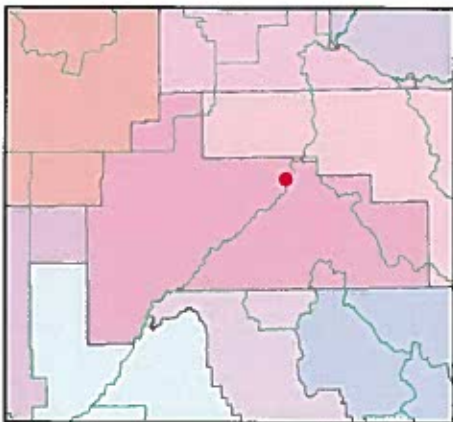
Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?



Idaho Department of Water Resources

Water Right
35-14013
(RECREATION STORAGE)

-  Place of Use
-  Point of Diversion
-  State Outline
-  Townships
-  PLS Sections



Bingham County
IDWR Basin 35

Prepared by Jones, Cass

Background: 2015 Aerial Photography





View of pond from well house



Pipe under this big rock is where water is diverted to the pond



Water then flows down rock pile into pond



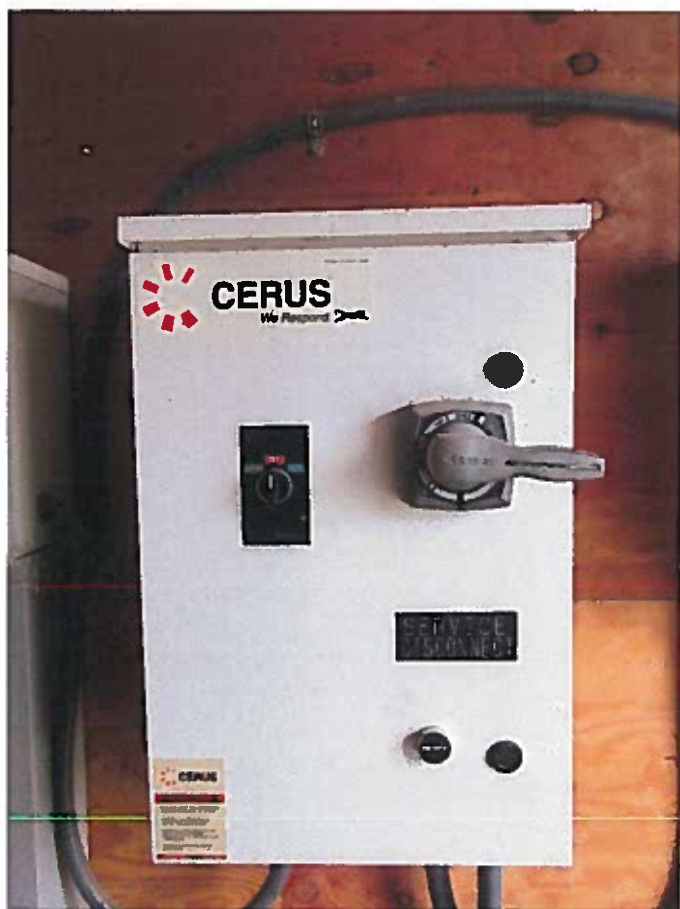
Well



Pipe under rock where water is diverted into pond



Power



Control Box



Whole electrical system