

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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DEPARTMENT OF
WATER RESOURCES

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. 22-13428

1. Owner Huntsman Springs Inc. Phone No. (208) 354-9660
 Current address 501 Huntsman Springs Drive, Driggs, ID 83422
2. Examiner's name Keith C Wilson, Rocky Mountain Environmental, Inc. EXAM DATE July 26, 2011
3. Accompanied by Young Harvey Walker Email _____
 Address 2338 N 2930 W, Arco, ID 83213
 Relationship to permit holder Representative Phone No. (208) 520-7880/527-3254
4. Source Spring tributary to Sinks

B. OVERLAP REVIEW

1. Other water rights with the same place of use None
2. Other water rights with the same source and point of diversion None

C. DIVERSION AND DELIVERY SYSTEM Killdeer Pond

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
		NW	NW	SE	27	5N	45E	Teton	On site / IDWR Aerial Photos
		SW	NW	SE	27	5N	45E	Teton	On site / IDWR Aerial Photos
									UTM Zone 12, 489611, 4841728
									aka Killdeer Pond

2. Place(s) of Use: Method of determination On site, IDWR Aerial Photos

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	45E	27													s/w/r				

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:** _____

No measurement taken for stockwater: 100 range (beef) cattle @ 0.02 cfs is a de minimus quantity of water.

NOTE: (12 gal/day/head)x(100 head) = 1200 gallons/day

E. NARRATIVE/REMARKS/COMMENTS

Place of Use also known as Killdeer Pond. A spring is evident flowing into the pond in what appears to be within the SWNWSE Section 27, T05N, R45E (GPS Coordinates: Zone12 - 489611, 4841728). The pond is located in a marshy area with numerous seeps and springs though out the area. Due to the the nature of the marshy area there is the strong likelihood that springs/seeps are within the footprint of the pond that would be hidden from view and could not be readily identified as points of diversion. The water in the pond was clear that could support the assumption that, in addition to the spring water entering the pond, water could be seeping/flowing into and through the pond. The NWSE Sec 27, T05N, R45E, should be listed as the Point(s) of Diversion & Place(s) of Use. Recommended that the source of water be listed as Springs tributary to Sinks.

Recommend Stockwater as a beneficial use even though no stock observed at time of exam. The area is fenced and stock would have access to the pond.

Stock water for 100 range (beef) cattle at 0.02 cfs is a deminimus quantity of water.

NOTE: Stockwater @ 12 gallons/day/head of cattle (range/beef) = 1200 gal/day

$[(12 \text{ gal/day/head}) \times (100 \text{ head}) = 1200 \text{ gal/day}]$

Point(s) of Diversion: Permit 22-13428 lists the Point of diversion as the NWSE Section 27, T05N, R45E. The two Points of Diversion listed in Item C.1 are both within the NWSE. This exam is a clarification of the permitted point of diversion and should not require a licensing amendment to add the second point of diversion.

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:

No on site measurements were taken. The surface area of pond provided by Rendezvous Engineering and the permit holder provided Maximum Depth:

Killdeer Pond Surface Acre = 1.91 acres; Maximum Depth = 14 feet

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

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

2. Volume Calculations for Other Uses:

Killdeer Pond Volume = (1.91 ac)(14 ft)(0.4) = 10.696 acre-feet = 10.7 ac-ft for Wildlife & Recreation Storage

H. RECOMMENDATIONS Killdeer Pond

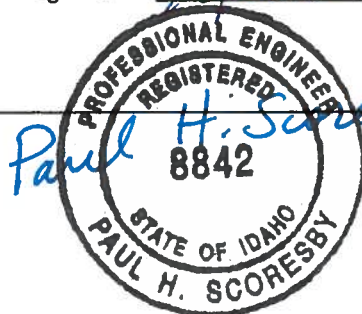
1. Recommended Amounts

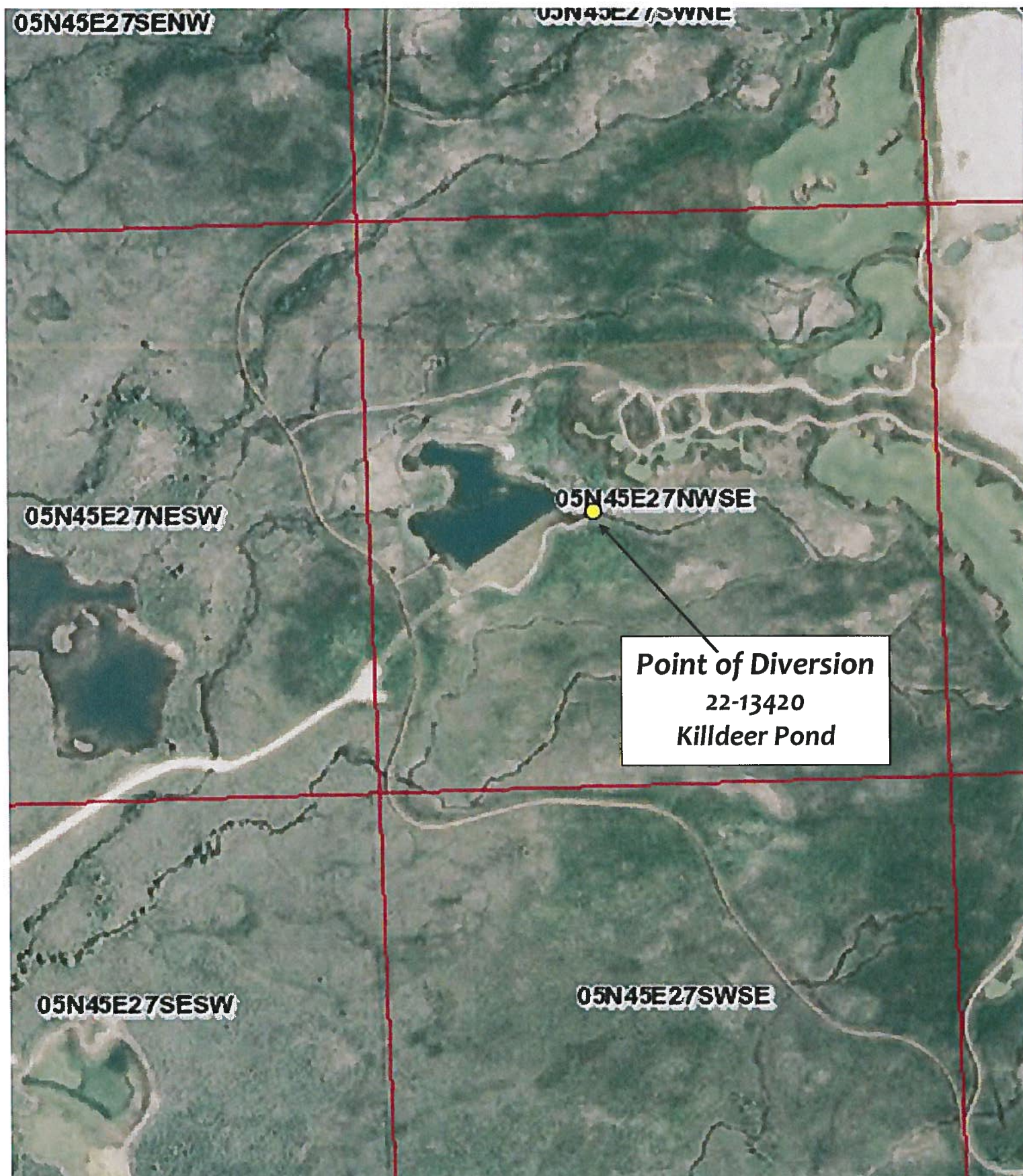
Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Wildlife Storage	01/01	12/01		10.7 afa
Recreation Storage	01/01	12/31		10.7 afa
Stockwater	08/01	11/01	0.02 cfs	
Totals:			0.02 cfs	10.7 afa

2. Recommended Amendments

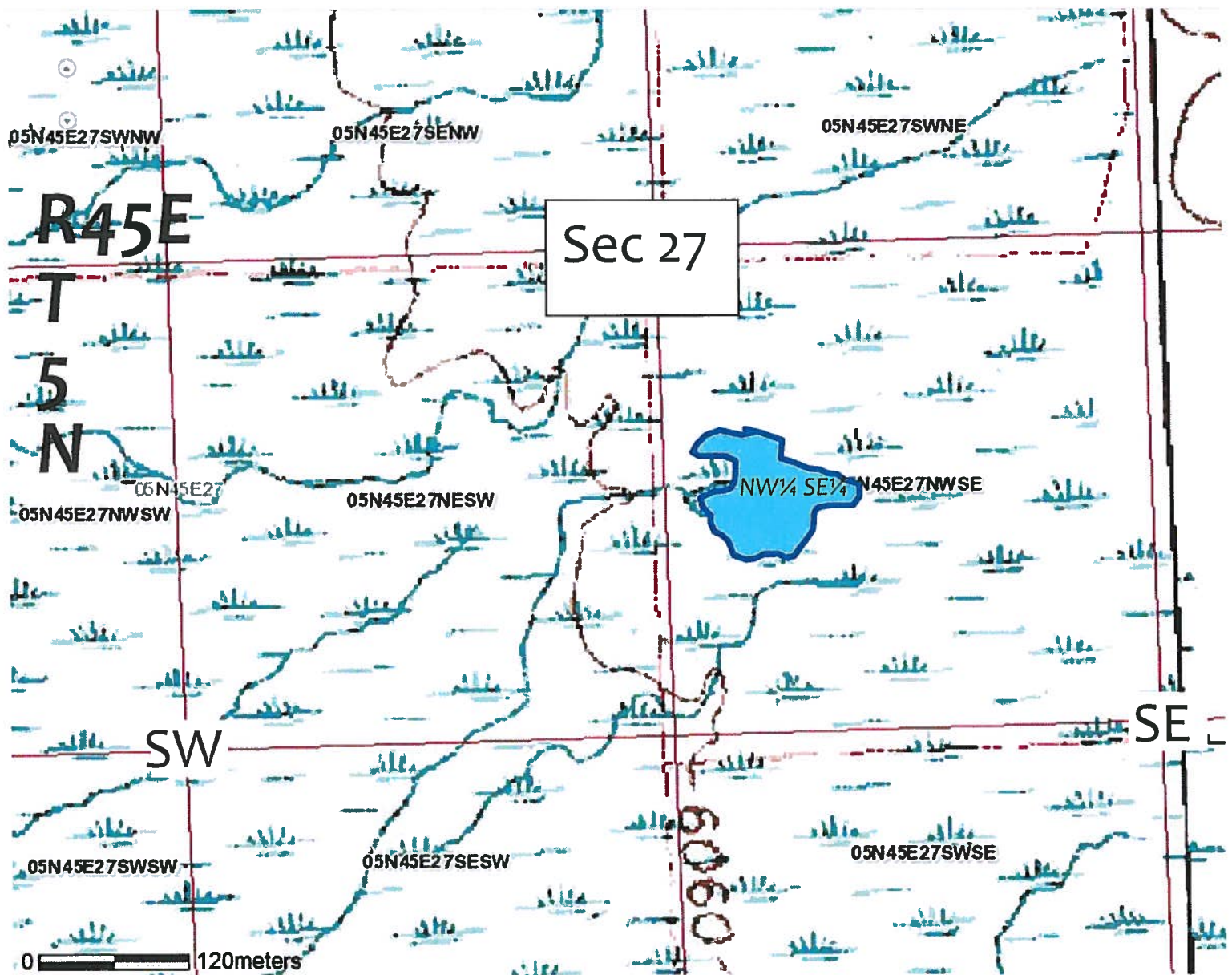
☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**Field Examiner's Signature Keith C Wilson Date 8/24/11Reviewer Paul H. Scoresby Date 8-23-11

SEAL





Pond Location – USGS Map
(Approximate)



NOTE: Pond outline is a generalization of the shape of the actual pond foot print of 1.91 acres.

Rendezvous Engineering – Surface Survey Acres

Design # Acres / Actual # Acres

