

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 06 2011

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. 22-13421

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 Cygnet 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	SW	27	5N	45E	Teton	On site / IDWR Aerial Photos
			SW	SW	27	5N	45E	Teton	On site / IDWR Aerial Photos
									aka Cygnet Pond

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

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										W/R	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.

See attached Photos of Cygnet Pond taken (at UTM Zone 12, 488969, 4841617) during the On-Site Field Examination & Aerials from IDWR's Well Driller Locator Tool & General Mapping Tool, Version 2.0

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: _____

E. NARRATIVE/REMARKS/COMMENTS

Place of Use also known as Cygnet Pond. The pond is located in a marshy area with numerous seeps and springs though out the area. The water in the pond was clear with no observed outflow from the pond. Due to the the nature of the marshy area there are springs/seeps within the footprint of the pond that are hidden from view and could not be readily identified as points of diversion. Therefore, the entire W1/2 SW (NWSW & SWSW) Sec 27, T05N, R45E, should be listed as the Point(s) of Diversion & Place(s) of Use. The water in the pond was clear indicating that water is flowing through the pond. Recommended that the source of water be listed as Springs tributary to Sinks.

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 the pond provided by Rendezvous Engineer and maximum depth provided by permit holder:

Cygnnet Pond Surface Acre = 3.97 acres; Maximum Depth = 8 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:

Cygnnet Pond Volume = (3.97 ac)(8 ft)(0.4) = 12.704 acre-feet = 12.7 ac-ft for Wildlife & Recreation Storage

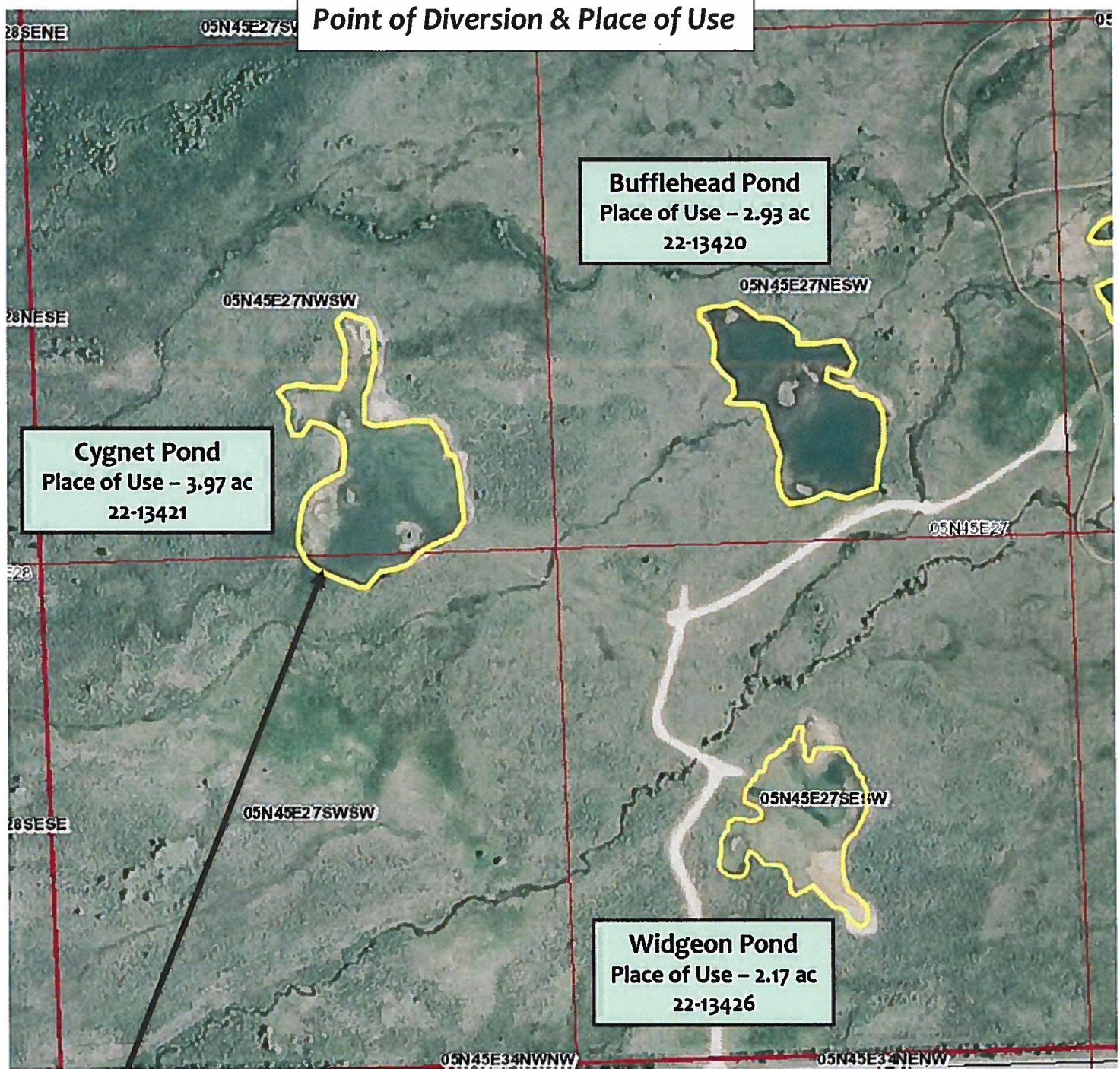
H. RECOMMENDATIONS Cygnnet Pond**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Wildlife Storage	01/01	12/01	_____	12.7 afa
Recreation Storage	01/01	12/31	_____	12.7 afa
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			_____	12.7 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 Wilber Date 8/24/11Reviewer Paul H. Scoresby Date 8-23-11

SEAL



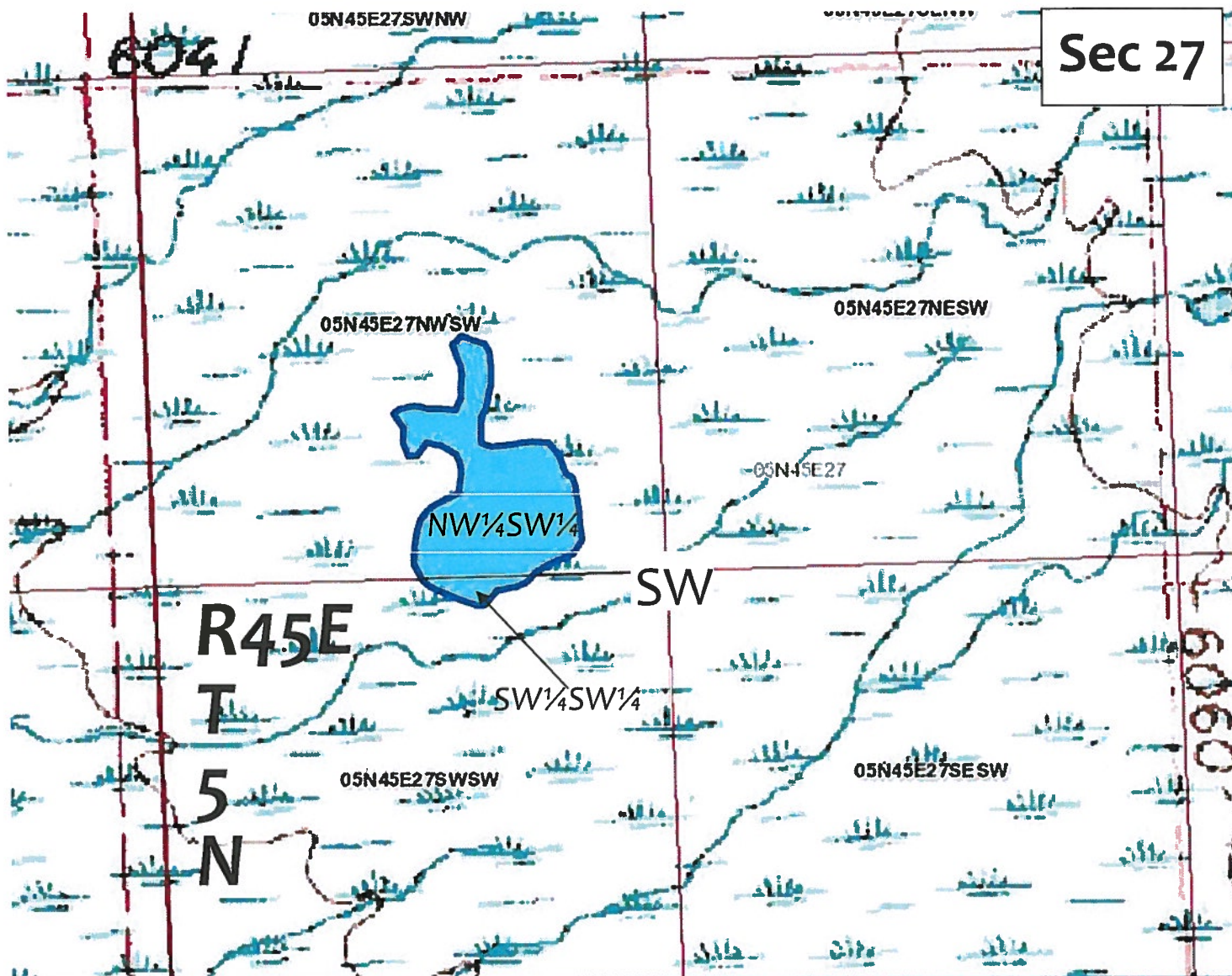


Cygnet Pond Volume = (Surface acres) x (Max. Depth) x (0.4) = 12.7 ac-ft

Volume Check = 3.97ac x 8 x 0.4 = 12.7 ac-ft

NOTE: Pond outline is a generalization of the shape of the actual pond foot print of 3.97 acres.

Pond Location – USGS Map
(Approximate)



NOTE: Pond outline is a generalization of the shape of the actual pond foot print of 3.97 acres.

Rendezvous Engineering – Surface Survey Acres

Design # Acres / Actual # Acres

NW $\frac{1}{4}$ SW $\frac{1}{4}$
SECTION 27

T05N, R45E

Design Acres

4.76AC

3.88AC

As Built Acres

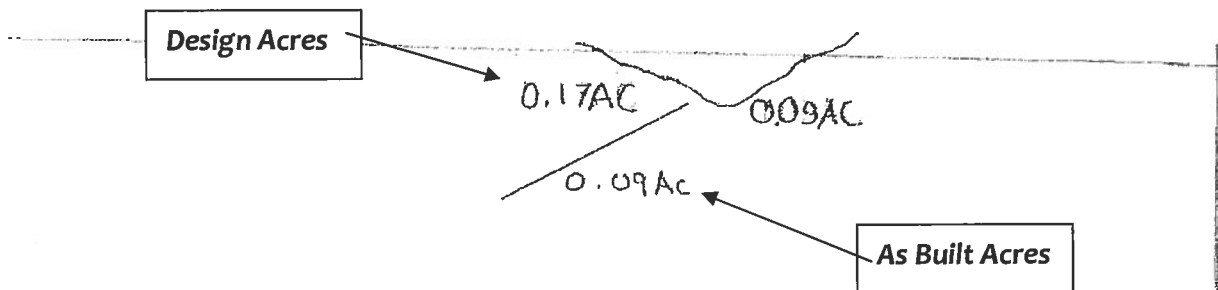
Cygnets Pond (1) & 2

NWSW + SWSW

Total surface acres = 3.88 ac + 0.09 ac = 3.97

Rendezvous Engineering – Surface Survey Acres

Design # Acres / Actual # Acres



SW $\frac{1}{4}$ SW $\frac{1}{4}$ /4
SECTION 27
T05N, R45E

NWSW + SWSW

Total surface acres = 3.88 ac + 0.09 ac = 3.97

Cygnet Pond (2) of 2

