

[illegible]

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
14S	35E	23	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
							X												

Method of Determination: Aerial photography

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

D. FLOW MEASUREMENTS

1. Measurements:

In office field exam. According to the well drillers report the well yields 40.0 gpm (0.09 cfs)

Water right 15-7313 authorizes 0.03 cfs

Water right 15-7302 will be licensed for 0.06 cfs

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

In office filed exam

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 2.8(\text{Acres Irrigated}) \times 3.5 (\text{Irrigation Requirement}) = 9.8 \text{ acre-feet}$$

$$V_{D.R.} = 0.06(\text{cfs}) \times 214 (\text{days}) \times 1.9835 = 25.5 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 9.8 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

1 domestic home for in-house use = 0.6 acre- feet

2 range cattle x 12.0 gpd x 365 days = 0.03 acre-feet. Round to 0.1 acre-feet.

G. NARRATIVE/REMARKS/COMMENTS

Water right 15-7313 (see transfer 75098) and 15-7302 share the same point of diversion and place of use. According to the well drillers report the right holders well can yield 40 gallons per minute or 0.09 cfs. Water right 15-7313 authorizes a diversion rate of 0.03 cfs and the irrigation of 3.0 acres. Water right 15-7302 will be licensed for 0.06 cfs and for the irrigation of 2.8 acres. Rights 15-7313 and 15-7302 when combined will be limited to a maximum diversion volume of 10.5 acre-feet and the irrigation of 3.0 acres.

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>
IRRIGATION	04/01 to 10/31	0.060 CFS	9.8 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	0.6 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.1 AF
<u>Totals:</u>		0.06 CFS	

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**

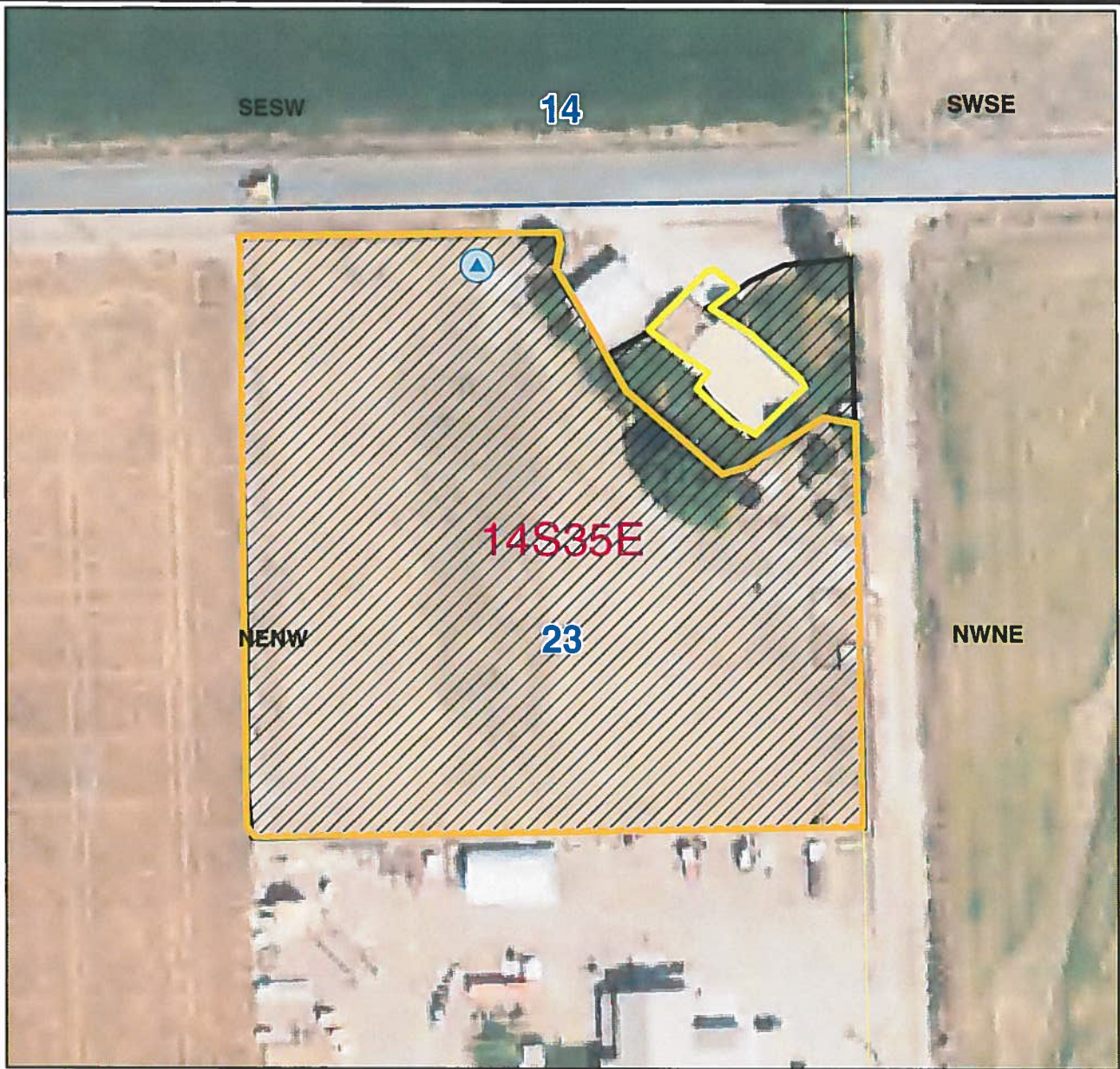
Field Examiner's Name

Date

Reviewer

Date

1/28/2014



POD

POU

Water Uses

-  Domestic
-  Stockwater
-  Irrigation
-  Township/Range
-  Sections
-  QQ

0 50 100 200 Feet

1 inch = 100 feet

