

[illegible]

Method of Determination:

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**
7 hp**Motor Serial No.****Pump Make****Pump Serial No. or Discharge Size**

D0011944

*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**

Fuji

Portaflow

Fuji

91012

00F4099T

2. Measurements:

Highest instantaneous reading = 138.27 gpm

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

138.27 gal/min / 448.83 = .31 CFS

Total rate limited to .31 cfs based on measured flow of the well.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 15 \times 3.5 = 52.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .30 \times 184 \times 1.9835 = 109.482 (109.5 \text{ AF})$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 52.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$50 \text{ cattle} \times 12 \text{ gpd} \times 257 \text{ days} = 154200 / 325850 = 0.5 \text{ af}$$

G. NARRATIVE/REMARKS/COMMENTS

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	04/15 to 10/15	0.300 CFS	52.50 AF
STOCKWATER	09/01 to 05/15	0.020 CFS	0.5 AF
<u>Totals:</u>		0.310 CFS	53.00 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

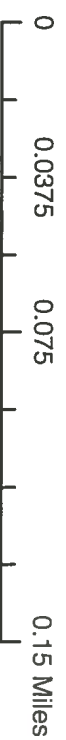
Field Examiner's Name Kevin Matthews Date 8-28-12

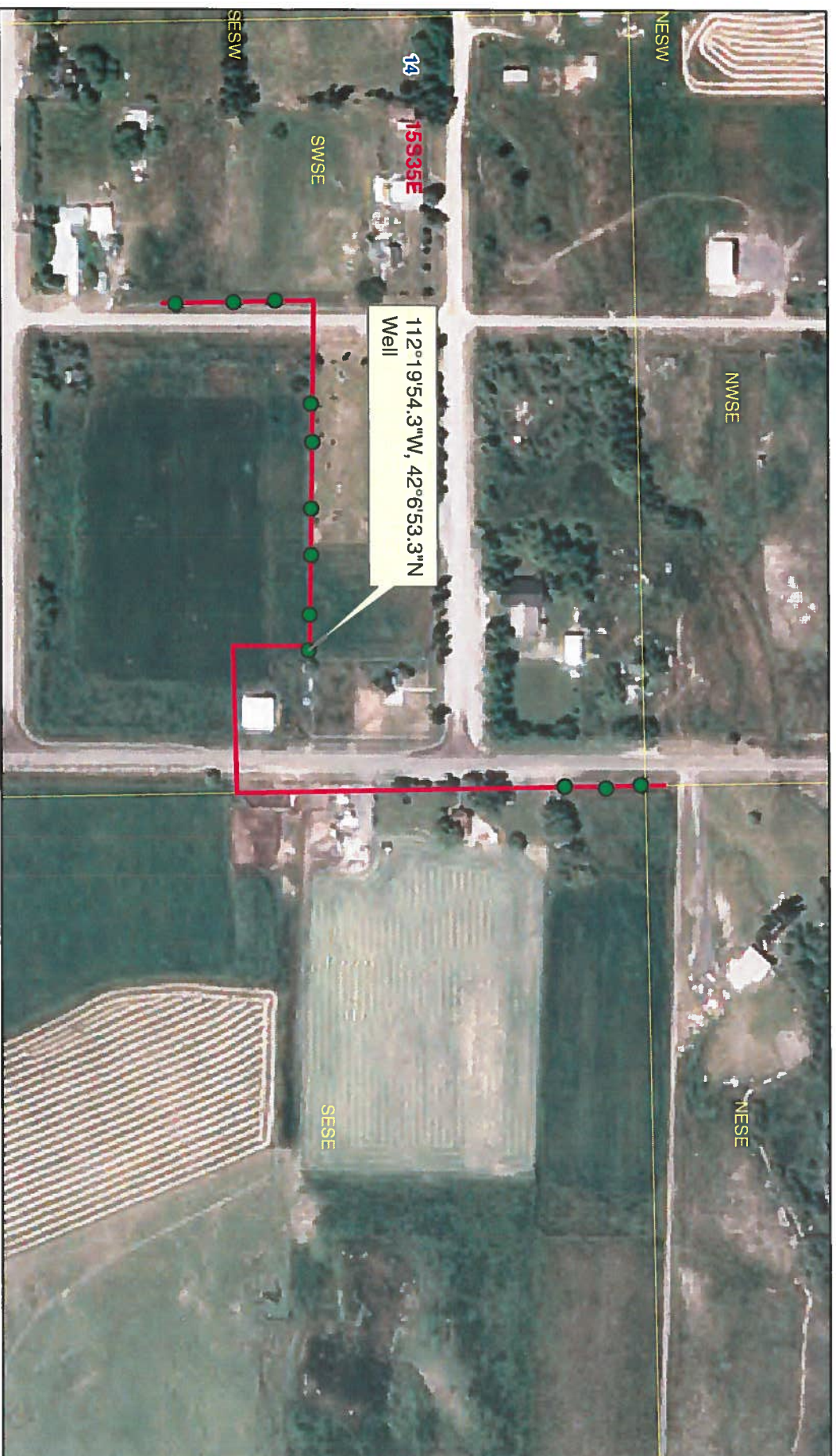
Reviewer _____ Date _____



15-7175

- Current POU
- Taxlots
- Township/Range
- Sections
- QQ

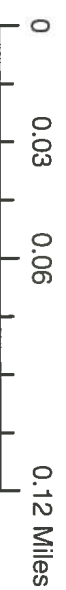




Diversion System with well and Sprinkler Valves **15-7175**



- Diversion System
- Township/Range
- Sections
- QQ



Field Inspection 15-7515 – August 28, 2012

