



## Verification of County Receipt For Manure Management Plans & Plan Updates

This form is for non-permitted operations that are submitting an original manure management plan (MMP) and all confinement feeding operations that must submit an annual updated MMP. This form is not for confinement feeding operations that are applying for a construction permit. (See the Construction Permit Application package for the Verification of County Receipt form used with construction permit applications.)

It must be submitted to the appropriate Department of Natural Resources (DNR) field office to indicate that the county where the confinement feeding operation is located, or will be located, has received a copy of the MMP. If manure is to be applied in additional counties, you must also submit this form indicating that a complete MMP or MMP annual update has been delivered to each of the counties where manure will be applied.

**For the confinement feeding operation:**

NAME OF OPERATION: Couser Cattle Company

OWNER: William D. Couser

LOCATION: NW  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of Sec 19 T 84N R 22W Richland Twp Story  
( $\frac{1}{4}$ ) (Section) (Tier) (Range) (Township Name) (County)

**THIS SECTION IS TO BE COMPLETED BY THE COUNTY**

COUNTY: Story

NAME: Margaret C. Jaynes

TITLE: EA Director  
(Member of the County Board of Supervisors or designated official/employee)

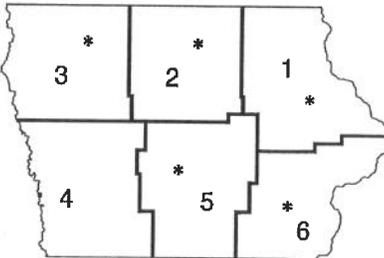
On July 13, 20 17, on behalf of the Board of Supervisors,

I received a complete copy of the:

- Original manure management plan, OR
- Manure management plan annual update

**Amended Matrix  
for  
Couser Cattle Company**

Please send this signed and dated receipt to the DNR Field Office where the operation is located:



**Field Office #1**  
909 West Main, Suite 4  
Manchester, IA 52057  
563-927-2640

**Field Office #3**  
1900 N. Grand Ave  
Spencer, IA 51301  
712-262-4177

**Field Office #5**  
7900 Hickman Rd Ste 200  
Windsor Heights, IA 50324  
515-725-0268

**Field Office #2**  
2300 15<sup>th</sup> St SW  
Mason City, IA 50401  
641-424-4073

**Field Office #4**  
1401 Sunnyside Lane  
Atlantic, IA 50022  
712-243-1934

**Field Office #6**  
1023 W Madison  
Washington, IA 52353  
319-553-2131

RECEIVED

JUL 13 2017

STORY CO.  
HEALTH DEPT

Couser Cattle Company  
Matrix Submittal Scoring

	Score	Air	Water	Community
1	0	0	0	0
2	30	12	0	18
3	30	12	0	18
4	30	0	30	0
5	0	0	0	0
6	10	4	0	6
7	0	0	0	0
8	50	5	25	20
9	25	7.5	7.5	10
10	30	0	22.5	7.5
11	0	0	0	0
12	0	0	0	0
13	20	0	18	2
14	0	0	0	0
15	20	10	0	10
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	20	0	0	20
20	30	0	0	30
21	0	0	0	0
22	0	0	0	0
23	25	0	0	25
24	10	0	0	10
25	25	0	12.5	12.5
26	0	0	0	0
27	0	0	0	0
28	0	0	0	0
29	10		10	
30	0	0	0	0
31	5	2	0	3
32	5	2	0	3
33	10	0	8	2
34	0	0	0	0
35	10	0	7.5	2.5
36	0	0	0	0
37	10	0	0	10
38	0	0	0	0
39	10	0	0	10
40	5	0	2.5	2.5
41	5	0	2.5	2.5
42	0	0	0	0
43	0	0	0	0
44	15	0	10.5	4.5
<b>Total</b>	<b>440</b>	<b>54.5</b>	<b>156.5</b>	<b>229</b>

## APPENDIX C MASTER MATRIX

### Proposed Site Characteristics

The following scoring criteria apply to the site of the proposed confinement feeding operation. Mark one score under each criterion selected by the applicant. The proposed site must obtain a minimum overall score of 440 and a score of 53.38 in the "air" subcategory, a score of 67.75 in the "water" subcategory and a score of 101.13 in the "community impacts" subcategory.

- Additional separation distance, above minimum requirements, from proposed confinement structure to the closest:

- \* Residence not owned by the owner of the confinement feeding operation,
- \* Hospital,
- \* Nursing home, or
- \* Licensed or registered child care facility.

	Score	Air	Water	Community
250 feet to 500 feet	25	16.25		8.75
501 feet to 750 feet	45	29.25		17.50
751 feet to 1,000 feet	65	42.25		22.75
1,001 feet to 1,250 feet	85	55.25		29.75
1,251 feet or more	100	65.00		35.00

- Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
  - The department will award points only for the single building, of the four listed above, closest to the proposed confinement feeding operation.
  - "Licensed child care center" – a facility licensed by the department of human services providing child care or preschool services for seven or more children, except when the facility is registered as a child care home.
  - "Registered child development homes" - child care providers certify that they comply with rules adopted by the department of human services. This process is voluntary for providers caring for five or fewer children and mandatory for providers caring for six or more children.
  - A full listing of licensed and registered child care facilities is available at county offices of the department of human services.
- Additional separation distance, above minimum requirements, from proposed confinement structure to the closest public use area.

	Score	Air	Water	Community
250 feet to 500 feet	5	2.00		3.00
501 feet to 750 feet	10	4.00		6.00
751 feet to 1,000 feet	15	6.00		9.00
1,001 feet to 1,250 feet	20	8.00		12.00
1,251 feet to 1,500	25	10.00		15.00
1,501 feet or more	30	12.00		18.00

- Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
- "Public use area" - a portion of land owned by the United States, the state, or a political subdivision with facilities which attract the public to congregate and remain in the area for significant periods of time. Facilities include, but are not limited to, picnic grounds, campgrounds, cemeteries, lodges, shelter houses, playground equipment, lakes as listed in Table 2 of 567--Chapter 65, and swimming beaches. It does not include a highway, road right-of-way, parking areas, recreational trails or other areas where the public passes through, but does not congregate or remain in the area for significant periods of time.

- Additional separation distance, above minimum requirements, from proposed confinement structure to the closest:

- \* Educational institution,
- \* Religious institution, or
- \* Commercial enterprise.

	Score	Air	Water	Community
250 feet to 500 feet	5	2.00		3.00

501 feet to 750 feet	10	4.00		6.00
751 feet to 1,000 feet	15	6.00		9.00
1,001 feet to 1,250 feet	20	8.00		12.00
1,251 feet to 1,500	25	10.00		15.00
1,501 feet or more	30	12.00		18.00

- (A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
- (B) The department will award points only for the single building, of the three listed above, closest to the proposed confinement feeding operation.
- (C) "Educational institution" - a building in which an organized course of study or training is offered to students enrolled in kindergarten through grade 12 and served by local school districts, accredited or approved nonpublic schools, area educational agencies, community colleges, institutions of higher education under the control of the state board of regents, and accredited independent colleges and universities.
- (D) "Religious institution" - a building in which an active congregation is devoted to worship.
- (E) "Commercial enterprise" - a building which is used as a part of a business that manufactures goods, delivers services, or sells goods or services, which is customarily and regularly used by the general public during the entire calendar year and which is connected to electric, water, and sewer systems. A commercial enterprise does not include a farm operation.

4. Additional separation distance, above minimum requirement of 500 feet, from proposed confinement structure to the closest water source.

	Score	Air	Water	Community
250 feet to 500 feet	5		5.00	
501 feet to 750 feet	10		10.00	
751 feet to 1,000 feet	15		15.00	
1,001 feet to 1,250 feet	20		20.00	
1,251 feet to 1,500	25		25.00	
1,501 feet or more	30		30.00	

"Water source" - a lake, river, reservoir, creek, stream, ditch, or other body of water or channel having definite banks and a bed with water flow, except lakes or ponds without an outlet to which only one landowner is riparian.

5. Separation distance of 300 feet or more from the proposed confinement structure to the nearest thoroughfare.

	Score	Air	Water	Community
300 feet or more	30	9.00		21.00

- (A) "Thoroughfare" - a road, street, bridge, or highway open to the public and constructed or maintained by the state or a political subdivision.
- (B) The 300-foot distance includes the 100-foot minimum setback plus additional 200 feet.

6. Additional separation distance, above minimum requirements, from proposed confinement structure to the closest critical public area.

	Score	Air	Water	Community
500 feet or more	10	4.00		6.00

- (A) All critical public areas as defined in 567--65.1(455B), are public use areas, and therefore subject to public use area minimum separation distances.
- (B) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.

7. Proposed confinement structure is at least two times the minimum required separation distance from all private and public water wells.

	Score	Air	Water	Community
Two times the minimum separation distance	30		24.00	6.00

Refer to Table 6 of 567--Chapter 65 for minimum required separation distances to wells.

8. Additional separation distance, above the minimum requirement of 1,000 feet, from proposed confinement structure to the closest:

- \* Agricultural drainage well,
- \* Known sinkhole, or
- \* Major water source.

	Score	Air	Water	Community
250 feet to 500 feet	5	0.50	2.50	2.00
501 feet to 750 feet	10	1.00	5.00	4.00
751 feet to 1,000 feet	15	1.50	7.50	6.00
1,001 feet to 1,250 feet	20	2.00	10.00	8.00
1,251 feet to 1,500 feet	25	2.50	12.50	10.00
1,501 feet to 1,750 feet	30	3.00	15.00	12.00
1,751 feet to 2,000 feet	35	3.50	17.50	14.00
2,001 feet to 2,250 feet	40	4.00	20.00	16.00
2,251 feet to 2,500 feet	45	4.50	22.50	18.00
2,501 feet or more	50	5.00	25.00	20.00

- (A) The department will award points only for the single item, of the three listed above, that is closest to the proposed confinement feeding operation.
- (B) "Agricultural drainage wells" - include surface intakes, cisterns and wellheads of agricultural drainage wells.
- (C) "Major water source" - a lake, reservoir, river or stream located within the territorial limits of the state, or any marginal river area adjacent to the state which can support a floating vessel capable of carrying one or more persons during a total of a six-month period in one out of ten years, excluding periods of flooding. Major water sources in the state are listed in Tables 1 and 2 in 567--Chapter 65.

9. Distance between the proposed confinement structure and the nearest confinement facility that has a submitted department manure management plan.

	Score	Air	Water	Community
Three-quarter of a mile or more (3,960 feet)	25	7.50	7.50	10.00

Confinement facilities include swine, poultry, and dairy and beef cattle.

10. Separation distance from proposed confinement structure to closest:

- \* High quality (HQ) waters,
- \* High quality resource (HQR) waters, or
- \* Protected water areas (PWA)

is at least two times the minimum required separation distance

	Score	Air	Water	Community
Two times the minimum separation distance	30		22.50	7.50

- (A) The department will award points only for the single item, of the three listed above, closest to the proposed confinement feeding operation.
- (B) HQ waters are identified in 567--Chapter 61.
- (C) HQR waters are identified in 567--Chapter 61.
- (D) A listing of PWAs is available at:

<http://www.iowadnr.gov/Recreation/CanoeingKayaking/StreamCare/ProtectedWaterAreas.aspx>

11. Air quality modeling results demonstrating an annoyance level less than 2 percent of the time for residences within two times the minimum separation distance.

	Score	Air	Water	Community
University of Minnesota OFFSET model results demonstrating an annoyance level less than 2 percent of the time	10	6.00		4.00e

- (A) OFFSET can be found at <http://www.extension.umn.edu/agriculture/manure-management-and-air-quality/feedlots-and-manure-storage/offset-odor-from-feedlots/>. For more information, contact Dr. Larry Jacobson, University of Minnesota, (612) 625-8288, [jacob007@tc.umn.edu](mailto:jacob007@tc.umn.edu).
- (B) A residence that has a signed waiver for the minimum separation distance cannot be included in the model.
- (C) Only the OFFSET model is acceptable until the department recognizes other air quality models.

12. Liquid manure storage structure is covered.

	Score	Air	Water	Community
Covered liquid manure storage	30	27.00		3.00

- (A) "Covered" - organic or inorganic material, placed upon an animal feeding operation structure used to store manure, which significantly reduces the exchange of gases between the stored manure and the outside air.

Organic materials include, but are not limited to, a layer of chopped straw, other crop residue, or a naturally occurring crust on the surface of the stored manure. Inorganic materials include, but are not limited to, wood, steel, aluminum, rubber, plastic, or Styrofoam. The materials shall shield at least 90 percent of the surface area of the stored manure from the outside air. Cover shall include an organic or inorganic material which current scientific research shows reduces detectable odor by at least 75 percent. A formed manure storage structure directly beneath a floor where animals are housed in a confinement feeding operation is deemed to be covered.

- (B) The design, operation and maintenance plan for the manure cover must be in the construction permit application and made a condition in the approved construction permit.

13. Construction permit application contains design, construction, operation and maintenance plan for emergency containment area at manure storage structure pump-out area.

	Score	Air	Water	Community
Emergency containment area	20		18.00	2.00

- (A) The emergency containment area must be able to contain at least 5 percent of the total volume capacity of the manure storage structure.  
 (B) The emergency containment area must be constructed on soils that are fine-grained and have low permeability.  
 (C) If manure is spilled into the emergency containment area, the spill must be reported to the department within six hours of onset or discovery.  
 (D) The design, construction, operation and maintenance plan for the emergency containment area must be in the construction permit application and made a condition in the approved construction permit.

14. Installation of a filter(s) designed to reduce odors from confinement building(s) exhaust fan(s).

	Score	Air	Water	Community
Installation of filter(s)	10	8.00		2.00

The design, operation and maintenance plan for the filter(s) must be in the construction permit application and made a condition in the approved construction permit.

15. Utilization of landscaping around confinement structure.

	Score	Air	Water	Community
Utilization of Landscaping	20	10.00		10.00

The design, operation and maintenance plan for the landscaping must be in the construction permit application and made a condition in the approved construction permit. The design should contain at least three rows of trees and shrubs, of both fast and slow-growing species that are well suited for the site.

16. Enhancement, above minimum requirements, of structures used in stockpiling and composting activities, such as an impermeable pad and a roof or cover.

	Score	Air	Water	Community
Stockpile and compost facility enhancements	30	9.00	18.00	3.00

- (A) The design, operation and maintenance plan for the stockpile or compost structure enhancements must be in the construction permit application and made a condition in the approved construction permit.  
 (B) The stockpile or compost structures must be located on land adjacent or contiguous to the confinement building.

17. Proposed manure storage structure is formed

	Score	Air	Water	Community
Formed manure storage structure	30		27.00	3.00

- (A) "Formed manure storage structure" -a covered or uncovered impoundment used to store manure from an animal feeding operation, which has walls and a floor constructed of concrete, concrete block, wood, steel, or similar materials. Similar materials may include, but are not limited to, plastic, rubber, fiberglass, or other synthetic materials. Materials used in a formed manure storage structure shall have the structural integrity to withstand expected internal and external load pressures.  
 (B) The design, operation and maintenance plan for the formed manure storage structure must be in the construction permit application and made a condition in the approved construction permit.

18. Manure storage structure is aerated to meet departmental standards as an aerobic structure, if aeration is not already required by the department.

	Score	Air	Water	Community
Aerated manure storage structure	10	8.00		2.00

- (A) Aerobic structure - an animal feeding operation structure other than an egg wash water storage structure which relies on aerobic bacterial action which is maintained by the utilization of air or oxygen and which includes

aeration equipment to digest organic matter. Aeration equipment shall be used and shall be capable of providing oxygen at a rate sufficient to maintain an average of 2 milligrams per liter dissolved oxygen concentration in the upper 30 percent of the depth of manure in the structure at all times.

- (B) The design, operation and maintenance plan for the aeration equipment must be in the construction permit application and made a condition in the approved construction permit.

19. Proposed confinement site has a suitable truck turnaround area so that semitrailers do not have to back into the facility from the road

	Score	Air	Water	Community
Truck turnaround	20			20.00

- (A) The design, operation and maintenance plan for the truck turn around area must be in the construction permit application and made a condition in the approved construction permit.  
 (B) The turnaround area should be at least 120 feet in diameter and be adequately surfaced for traffic in inclement weather.

20. Construction permit applicant's animal feeding operation environmental and worker protection violation history for the last five years at all facilities in which the applicant has an interest.

	Score	Air	Water	Community
No history of Administrative Orders in last five years	30			30.00

- (A) "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.  
 (B) An environmental violation is a final Administrative Order (AO) from the department of natural resources or final court ruling against the construction permit applicant for environmental violations related to an animal feeding operation. A Notice of Violation (NOV) does not constitute a violation.

21. Construction permit applicant waives the right to claim a Pollution Control Tax Exemption for the life of the proposed confinement feeding operation structure.

	Score	Air	Water	Community
Permanent waiver of Pollution Control Tax Exemption	5			5.00

- (A) Waiver of Pollution Control Tax Exemption is limited to the proposed structure(s) in the construction permit application.  
 (B) The department and county assessor will maintain a record of this waiver, and it must be in the construction permit application and made a condition in the approved construction permit.

22. Construction permit applicant can lawfully claim a Homestead Tax Exemption on the site where the proposed confinement structure is to be constructed

- OR -

the construction permit applicant is the closest resident to the proposed confinement structure.

	Score	Air	Water	Community
Site qualifies for Homestead Tax Exemption or permit applicant is closest resident to proposed structure	25			25.00

- (A) Proof of Homestead Tax Exemption is required as part of the construction permit application.  
 (B) Applicant includes persons who have ownership interests. "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.

23. Construction permit applicant can lawfully claim a Family Farm Tax Credit for agricultural land where the proposed confinement feeding operation is to be located pursuant to Iowa Code chapter 425A.

	Score	Air	Water	Community
Family Farm Tax Credit qualification	25			25.00

Applicant includes persons who have ownership interests. "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.

24. Facility size.

	Score	Air	Water	Community
1 to 2,000 animal unit capacity	20			20.00
2,001 to 3,000 animal unit capacity	10			10.00
3,001 animal unit capacity or more	0			0.00

- (A) Refer to the construction permit application package to determine the animal unit capacity of the proposed confinement structure at the completion of construction.
- (B) If the proposed structure is part of an expansion, animal unit capacity (or animal weight capacity) must include all animals confined in adjacent confinement structures.
- (C) Two or more animal feeding operations under common ownership or management are deemed to be a single animal feeding operation if they are adjacent or utilize a common area or system for manure disposal. In addition, for purposes of determining whether two or more confinement feeding operations are adjacent, all of the following must apply:
- (a) At least one confinement feeding operation structure must be constructed on and after May 21, 1998.
  - (b) A confinement feeding operation structure which is part of one confinement feeding operation is separated by less than a minimum required distance from a confinement feeding operation structure which is part of the other confinement feeding operation. The minimum required distance shall be as follows:
    - (1) 1,250 feet for confinement feeding operations having a combined animal unit capacity of less than 1,000 animal units.
    - (2) 2,500 feet for confinement feeding operations having a combined animal unit capacity of 1,000 animal units or more.

25. Construction permit application includes livestock feeding and watering systems that significantly reduce manure volume.

	Score	Air	Water	Community
Wet/dry feeders or other feeding and watering systems that significantly reduce manure volume	25		12.50	12.50

The design, operation and maintenance plan for the feeding system must be in the construction permit application and made a condition in the approved construction permit.

**Proposed Site Operation and Manure Management Practices**

The following scoring criteria apply to the operation and manure management characteristics of the proposed confinement feeding operation. Mark one score under each criterion that best reflects the characteristics of the submitted manure management plan.

26. Liquid or dry manure (choose only one subsection from subsections "a" - "e" and mark one score in that subsection).

		Score	Air	Water	Community
a.	Bulk dry manure is sold under Iowa Code Chapter 200A and surface-applied	15		15.00	
	Bulk dry manure is sold under Iowa Code Chapter 200A and incorporated on the same date it is land-applied	30	12.00	12.00	6.00
b.	Dry manure is composted and land-applied under the requirements of an approved department manure management plan	10	4.00	4.00	2.00
	Dry manure is composted and sold so that no manure is applied under the requirements of an approved department manure management plan	30	12.00	12.00	6.00
c.	Methane digester is used to generate energy from manure and remaining manure is surface-applied under the requirements of an approved department manure management plan	10	3.00	3.00	4.00
	After methane digestion is complete, manure is injected or incorporated on the same date it is land-applied under the requirements of an approved department manure management plan	30	12.00	12.00	6.00
d.	Dry manure is completely burned to generate energy and no	30	9.00	9.00	12.00

	remaining manure is applied under the requirements of an approved department manure management plan				
	Some dry manure is burned to generate energy, but remaining manure is land-applied and incorporated on the same date it is land applied	30	12.00	12.00	6.00
e.	Injection or incorporation of manure on the same date it is land-applied	30	12.00	12.00	6.00

- (A) Choose only ONE line from subsection "a," "b," "c," "d," or "e" above and mark only one score in that subsection.
- (B) The injection or incorporation of manure must be in the construction permit application and made a condition in the approved construction permit.
- (C) If an emergency arises and injection or incorporation is not feasible, prior to land application of manure the applicant must receive a written approval for an emergency waiver from a department field office to surface-apply manure.
- (D) Requirements pertaining to the sale of bulk dry manure under pursuant to Iowa Code chapter 200A must be incorporated into the construction permit application and made a condition of the approved construction permit.
- (E) The design, operation and maintenance plan for utilization of manure as an energy source must be in the construction permit application and made a condition in the approved construction permit.
- (F) The design, operation and maintenance plan for composting facilities must be in the construction permit application and made a condition in the approved construction permit.

27. Land application of manure is based on a two-year crop rotation phosphorus uptake level.

	Score	Air	Water	Community
Two-year phosphorus crop uptake application rate	10		10.00	

- (A) Land application of manure cannot exceed phosphorus crop usage levels for a two-year crop rotation cycle.
- (B) The phosphorus uptake application rates must be in the construction permit application and made a condition in the approved construction permit.

28. Land application of manure to farmland that has USDA Natural Resources Conservation Service (NRCS) approved buffer strips contiguous to all water sources traversing or adjacent to the fields listed in the manure management plan.

	Score	Air	Water	Community
Manure application on farmland with buffer strips	10		8.00	2.00

- (A) The department may request NRCS maintenance agreements to ensure proper design, installation and maintenance of filter strips. If a filter strip is present but not designed by NRCS, it must meet NRCS standard specifications.
- (B) The application field does not need to be owned by the confinement facility owner to receive points.
- (C) On current and future manure management plans, the requirement for buffer strips on all land application areas must be in the construction permit application and made a condition in the approved construction permit.

29. Land application of manure does not occur on highly erodible land (HEL), as classified by the USDA NRCS.

	Score	Air	Water	Community
No manure application on HEL farmland	10		10.00	

Manure application on non-HEL farmland must be in the construction permit application and made a condition in the approved construction permit.

30. Additional separation distance, above minimum requirements (0 or 750 feet, see below), for the land application of manure to the closest:

- \* Residence not owned by the owner of the confinement feeding operation,
- \* Hospital,
- \* Nursing home, or
- \* Licensed or registered child care facility.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	3.25		1.75
Additional separation distance of 500 feet	10	6.50		3.50

- (A) The department will award points only for the single building, of the four listed above, closest to the proposed confinement feeding operation.
- (B) Minimum separation distance for land application of manure injected or incorporated on the same date as application: 0 feet.

- (C) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
- (D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.
- (E) "Licensed child care center" – a facility licensed by the department of human services providing child care or preschool services for seven or more children, except when the facility is registered as a child care home.
- (F) "Registered child development homes" - child care providers certify that they comply with rules adopted by the department of human services. This process is voluntary for providers caring for five or fewer children and mandatory for providers caring for six or more children.
- (G) A full listing of licensed and registered child care facilities is available at county offices of the Department of Human Services

31. Additional separation distance, above minimum requirements (0 or 750 feet, see below), for land application of manure to closest public use area.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	2.00		3.00

- (A) "Public use area" - a portion of land owned by the United States, the state, or a political subdivision with facilities which attract the public to congregate and remain in the area for significant periods of time. Facilities include, but are not limited to, picnic grounds, campgrounds, cemeteries, lodges, shelter houses, playground equipment, lakes as listed in Table 2 in 567--Chapter 65, and swimming beaches. It does not include a highway, road right-of-way, parking areas, recreational trails or other areas where the public passes through, but does not congregate or remain in the area for significant periods of time.
- (B) Minimum separation distance for land application of manure injected or incorporated on the same date as application: 0 feet.
- (C) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
- (D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.

32. Additional separation distance, above minimum requirements (0 or 750 feet, see below), for the land application of manure to the closest:

- \* Educational institution,
- \* Religious institution, or
- \* Commercial enterprise.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	2.00		3.00

- (A) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
- (B) Minimum separation distance for land application of manure injected or incorporated on same date as application: 0 feet.
- (C) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.
- (D) "Educational institution" - a building in which an organized course of study or training is offered to students enrolled in kindergarten through grade 12 and served by local school districts, accredited or approved nonpublic schools, area educational agencies, community colleges, institutions of higher education under the control of the state board of regents, and accredited independent colleges and universities.
- (E) "Religious institution" - a building in which an active congregation is devoted to worship.
- (F) "Commercial enterprise" - a building which is used as a part of a business that manufactures goods, delivers services, or sells goods or services, which is customarily and regularly used by the general public during the entire calendar year and which is connected to electric, water, and sewer systems. A commercial enterprise does not include a farm operation.

33. Additional separation distance of 50 feet, above minimum requirements (0 or 200 feet, see below), for the land application of manure to the closest private drinking water well or public drinking water well - OR well is properly closed under supervision of county health officials.

	Score	Air	Water	Community
Additional separation distance of 50 feet or well is properly closed	10		8.00	2.00

- (A) Minimum separation distance for land application of manure injected or incorporated on the same date as application or 50-foot vegetation buffer exists around well and manure is not applied to the buffer: 0 feet.
- (B) Minimum separation distance for land application of manure broadcast on soil surface: 200 feet.
- (C) If applicant chooses to close the well; the well closure must be incorporated into the construction permit application and made a condition in the approved construction permit.

34. Additional separation distance, above minimum requirements, for the land application of manure to the closest:

- \* Agricultural drainage well,
- \* Known sinkhole,
- \* Major water source, or
- \* Water source

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	0.50	2.50	2.00
Additional separation distance of 400 feet	10	1.00	5.00	4.00

- (A) "Agricultural drainage wells" - include surface intakes, cisterns and wellheads of agricultural drainage wells.  
 (B) "Major water source" - a lake, reservoir, river or stream located within the territorial limits of the state, or any marginal river area adjacent to the state, which can support a floating vessel capable of carrying one or more persons during a total of a six-month period in one out of ten years, excluding periods of flooding. Major water sources in the state are listed in Tables 1 and 2 in 567--Chapter 65.  
 (C) "Water source" - a lake, river, reservoir, creek, stream, ditch, or other body of water or channel having definite banks and a bed with water flow, except lakes or ponds without an outlet to which only one landowner is riparian.  
 (D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.

35. Additional separation distance above minimum requirements, for the land application of manure, to the closest:

- \* High quality (HQ) water,
- \* High quality resource (HQR) water, or
- \* Protected water area (PWA).

	Score	Air	Water	Community
Additional separation distance of 200 feet	5		3.75	1.25
Additional separation distance of 400 feet	10		7.50	2.50

- (A) HQ waters are identified in 567--Chapter 61.  
 (B) HQR waters are identified in 567--Chapter 61.  
 (C) A listing of PWAs is available at:  
<http://www.iowadnr.gov/Recreation/CanoeingKayaking/StreamCare/ProtectedWaterAreas.aspx>.

36. Demonstrated community support.

	Score	Air	Water	Community
Written approval of 100% of the property owners within a one mile radius	20			20.00

37. Worker safety and protection plan is submitted with the construction permit application.

	Score	Air	Water	Community
Submission of worker safety and protection plan	10			10.00

- (A) The worker safety and protection plan must be in the construction permit application and made a condition in the approved construction permit.  
 (B) The worker safety and protection plan and subsequent records must be kept on site with the manure management plan records.

38. Applicant signs a waiver of confidentiality allowing public to view confidential manure management plan land application records

	Score	Air	Water	Community
Manure management plan confidentiality waiver	5			5.00

The waiver of confidentiality must be in the construction permit application and made a condition in the approved construction permit. The applicant may limit public inspection to reasonable times and places.

39. Added economic value based on quality job development (number of full time equivalent (FTE) positions), and salary equal to or above Iowa department of workforce development median (45-2093)  
 -OR-

the proposed structure increases commercial property tax base in the county.

	Score	Air	Water	Community
Economic value to local community	10			10.00

The Iowa Department of Workforce Development regional profiles are available at <http://www.iowaworkforce.org/centers/regionalsites.htm>. Select the appropriate region and then select "Regional Profile."

40. Construction permit application contains an emergency action plan.

	Score	Air	Water	Community
Emergency action plan	5		2.50	2.50

- (A) Iowa State University Extension publication PM 1859 lists the components of an emergency action plan. The emergency action plan submitted should parallel the components listed in the publication.
- (B) The posting and implementation of an emergency action plan must be in the construction permit application and made a condition in the approved construction permit.
- (C) The emergency action plan and subsequent records must be kept on site with the manure management plan records.

41. Construction permit application contains a closure plan.

	Score	Air	Water	Community
Closure Plan	5		2.50	2.50

- (A) The closure plan must be in the construction permit application and made a condition in the approved construction permit.
- (B) The closure plan must be kept on site with the manure management plan records.

42. Adoption and implementation of an environmental management system (EMS) recognized by the department.

	Score	Air	Water	Community
EMS	15	4.50	4.50	6.00

- (A) The EMS must be in the construction permit application and made a condition in the approved construction permit.
- (B) The EMS must be recognized by the department as an acceptable EMS for use with confinement operations.

43. Adoption and implementation of NRCS approved Comprehensive Nutrient Management Plan (CNMP).

	Score	Air	Water	Community
CNMP	10	3.00	3.00	4.00

The implementation and continuation of a CNMP must be in the construction permit application and made a condition in the approved construction permit.

44. Groundwater monitoring wells installed near manure storage structure, and applicant agrees to provide data to the department.

	Score	Air	Water	Community
Groundwater monitoring	15		10.50	4.50

- (A) Monitoring well location, sampling and data submission must meet department requirements.
- (B) The design, operation and maintenance plan for the groundwater monitoring wells, and data transfer to the department, must be in the construction permit application and made a condition in the approved construction permit.

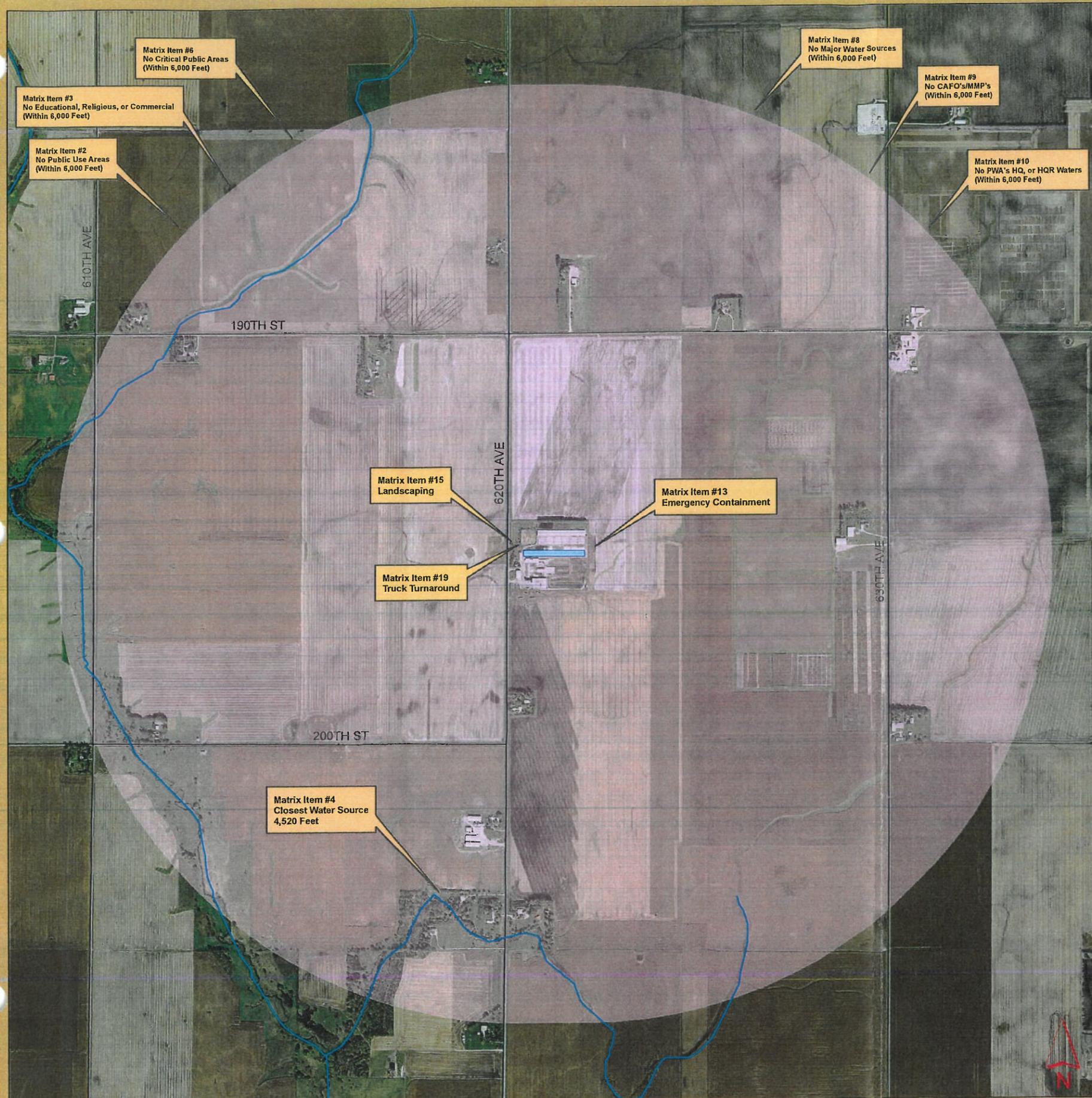
Score to pass

Total Score	Air	Water	Community
880	213.50	271.00	404.50
440	53.38	67.75	101.13

**SUPPLEMENTAL MATRIX DOUMENTATION**  
**for**  
**Couser Cattle Company**

**Contact:** Becky Sexton, Twin Lakes Environmental Services, LLC  
712-297-5530

# Matrix Summary Map



- \*Matrix Item #2 - 30 Points  
(No Public Use Areas within 6,000')
- \*Matrix Item #3 - 30 Points  
(No Educational Institutions, Religious Institutions, or commercial Enterprises within 6,000')
- \*Matrix Item #4 - 30 Points  
(Closest Water Source - 4,020' above minimum requirement of 500')
- \*Matrix Item #6 - 10 Points  
(No Critical Public Areas located within 6,000')
- \*Matrix Item #8 - 50 Points  
(Closest Major Water Source - 22,690' above minimum requirement of 1,000')
- \*Matrix Item #9 - 25 Points  
(Closest CAFO/MMP - 7,460' above minimum requirement of 3,960' to receive points)
- \*Matrix Item #10 - 30 Points  
(No High quality (HQ) waters, High quality resource (HQR) waters, or Protected water areas (PWA) within 6,000')
- \*Matrix Item #13 - 20 Points  
(Emergency Containment)
- \*Matrix Item #15 - 20 Points  
(Utilization of Landscaping)
- \*Matrix Item #19 - 20 Points  
(Truck Turnaround)
- Matrix Item #20 - 30 Points  
(No History of Administrative Orders in the Last Five Years)
- Matrix Item #23 - 25 Points  
(Family Farm Tax Credit qualification)
- Matrix Item #24 - 10 Points  
(Facility Size - 2,001 to 3,000 Animal Unit Capacity)
- Matrix Item #25 - 25 Points  
(Feeding and Watering Systems that Significantly Reduce Manure Volume)
- Matrix Item #29 - 10 Points  
(No Manure Application on HEL Farmland)
- Matrix Item #31 - 5 Points  
(Manure application - additional 200' from closest public use area)
- Matrix Item #32 - 5 Points  
(manure application - addition 200' from closest educational institution, religious institution, or commercial enterprise)
- Matrix Item #33 - 10 Points  
(Manure application - additional 50 feet from closest private or public drinking water well)
- Matrix Item #35 - 10 Points  
(Additional Separation Disance of 400' to the Closest HQ Water, HQR Water, or PWA)
- Matrix Item #37 - 10 Points  
(Worker Safety and Protection Plan)
- Matrix Item #39 - 10 Points  
(Economic Value to Local Community)
- Matrix Item #40 - 5 Points  
(Emergency Action Plan)
- Matrix Item #41 - 5 Points  
(Construction Permit Application Contains a Closure Plan)
- Matrix Item #44 - 15 Points  
(Groundwater Monitoring)

**440**  
**Total Points**

**Bill Couser**  
**"Couser Cattle Company"**

- Water Source
- Building
- 6000 Foot Radius

NW1/4 SW1/4 Section 19 T84N R22W Richland Plat  
Story County

1. No points were taken.

## Matrix Item #2 (30 Points)



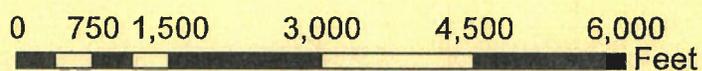
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

### Site Notes:

Per Table 6, (included in application) the minimum required separation for Closest Public Use Area is 2,500 feet.

Distance to Closest Public Use Area is over 6,000 feet and is therefore more than the additional 1,501 feet over the minimum requirement of 2,500 feet.

Qualifies for 30 Points.

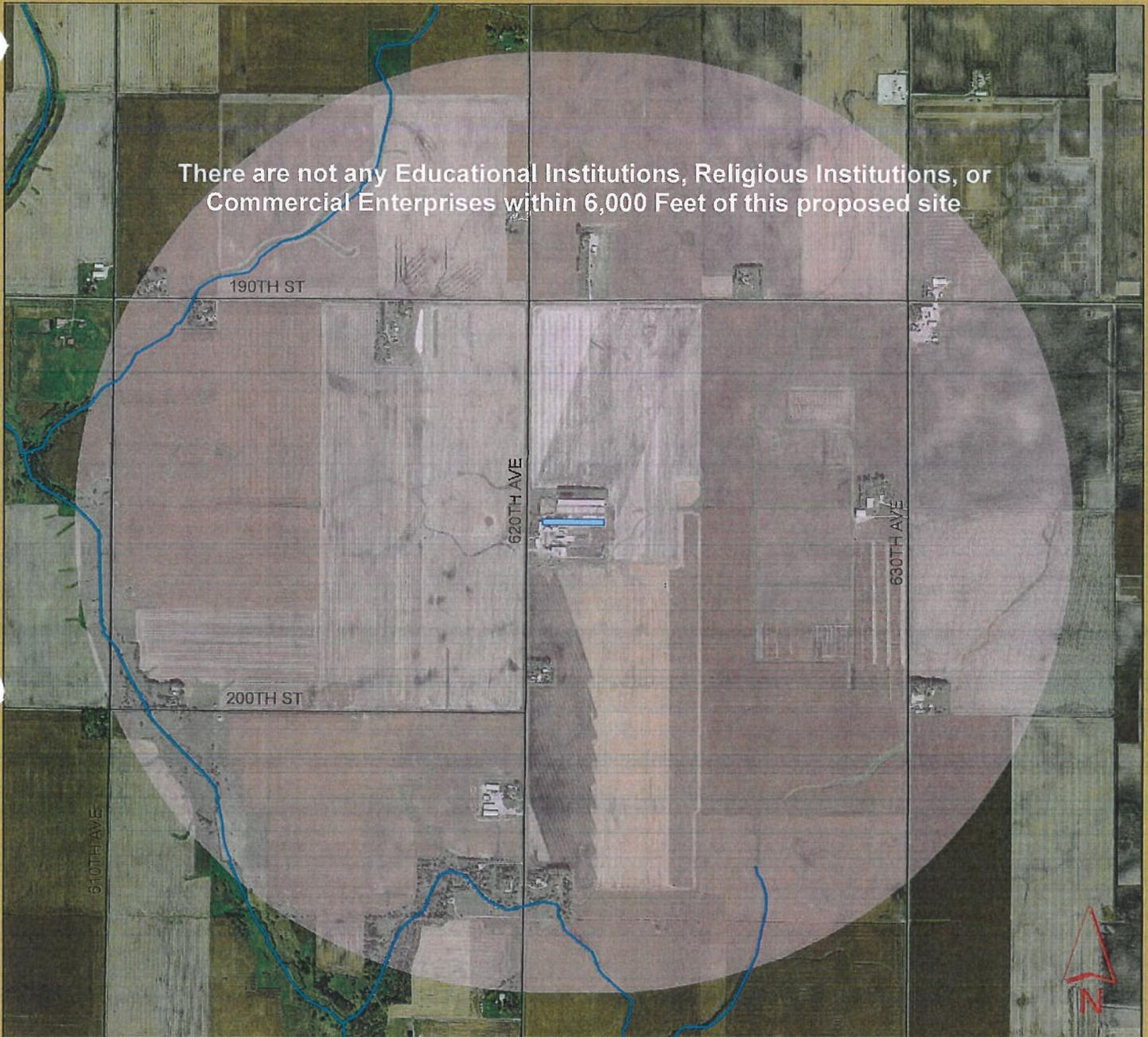


**Bill Couser**  
**"Couser Cattle Company"**

- Water Source
- Building
- 6000 Foot Radius

# Matrix Item #3 (30 Points)

There are not any Educational Institutions, Religious Institutions, or Commercial Enterprises within 6,000 Feet of this proposed site



NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

## Site Notes:

Per Table 6, (included in application) the minimum required separation for Closest Educational institution, Religious institution, or Commercial Enterprise is 1,875 feet.

The measured distance to Closest Educational institution, Religious institution, or Commercial Enterprise is more than 6,000 feet and is therefore more than the additional 1501 feet over the minimum requirement of 1,875 feet.

Qualifies for 30 Points.

**Bill Couser**  
**"Couser Cattle Company"**

- Water Source
- Building
- 6000 Foot Radius

0 750 1,500 3,000 4,500 6,000 Feet

# Matrix Item #4 (30 Points)

Closest Water Source is located  
4,520 feet from the structure.



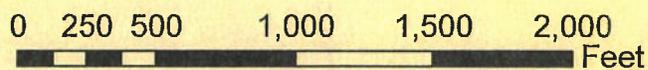
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

### Site Notes:

Per Table 6 (included in application) the minimum required separation for Closest Water Source is 500 feet.

The measured distance to Closest Water Source is 4,520 feet or 4,020 feet above the minimum requirement of 500 feet.

Qualifies for 30 Points.

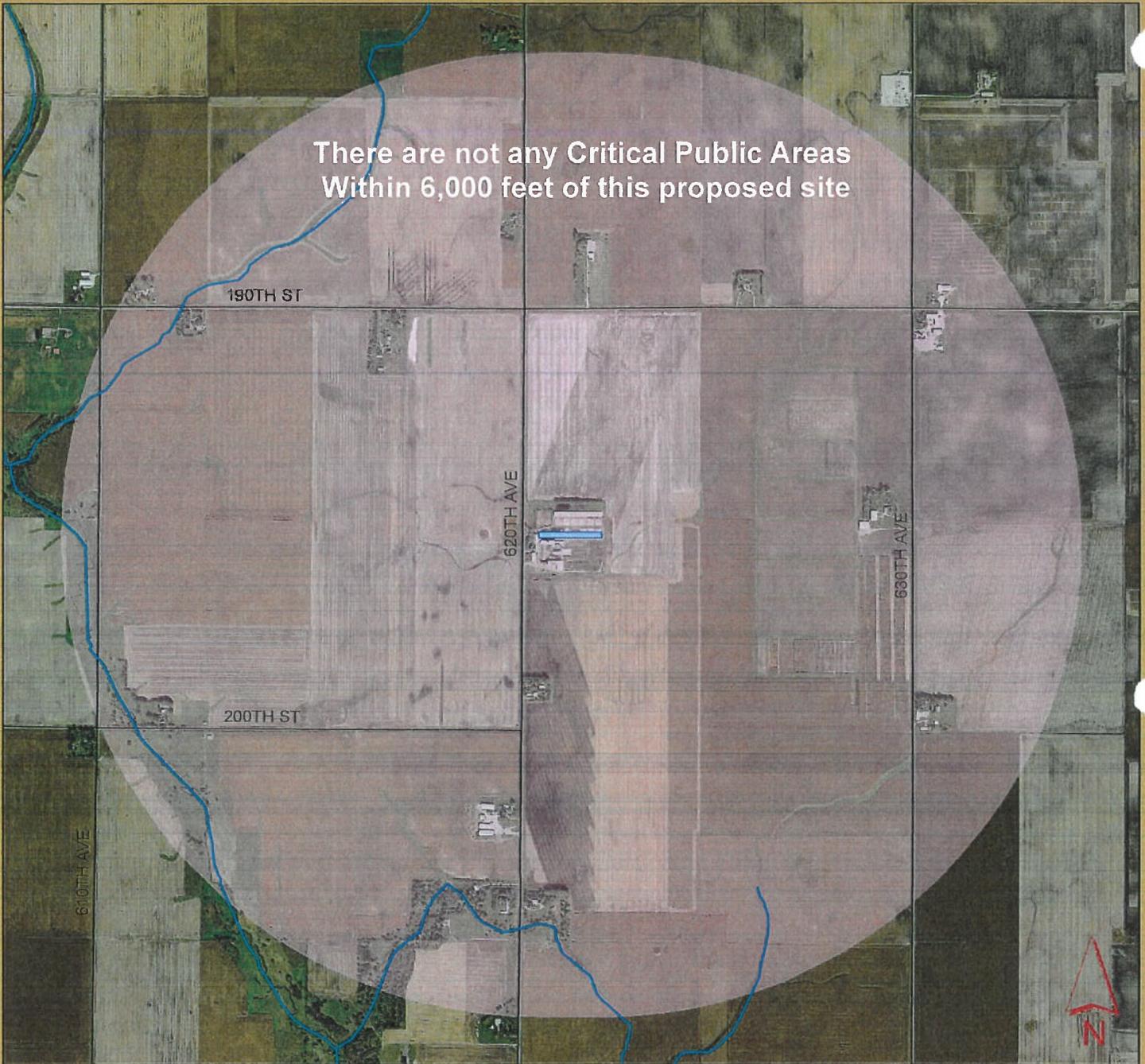


**Bill Couser**  
**"Couser Cattle Company"**

— Water Source

5. No points were taken on this item.

# Matrix Item #6 (10 Points)



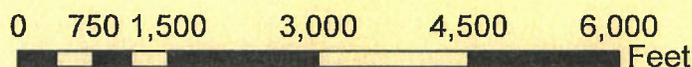
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

### Site Notes:

Per Table 6, (included in application) the minimum required separation for Closest Critical Public Use Area is 2,500 feet.

The measured distance to Closest Critical Public Use Area is over 6,000 feet and is therefore more than the additional 1,501 feet over the minimum requirement of 2,500 feet.

Qualifies for 10 Points.



**Bill Couser**  
**"Couser Cattle Company"**

- Water Source
- Building
- 6000 Foot Radius

7. No points were taken for this item.

# Matrix Item #8 (50 Points)



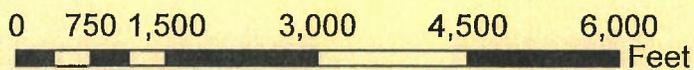
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

### Site Notes:

Per Table 6 (included in application) the minimum required separation for Closest Agricultural Drainage Well, Known Sinkhole or Major Water Source is 1,000 feet.

The measured distance to Closest Major Water Source (West Indian Creek) is 23,690 feet or 22,690 feet above the minimum requirement of 1,000 feet.

Qualifies for 50 Points.



**Bill Couser**  
**"Couser Cattle Company"**

- Water Source
- Building
- 6000 Foot Radius

# Matrix - Item #9 (25 Points)



Distance between the proposed confinement structure and the nearest confinement facility that has a submitted department manure management plan is 11,420 feet.

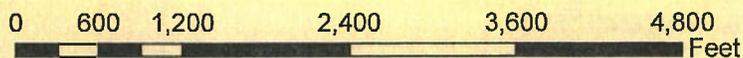
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

## Site Notes:

Required distance between the proposed confinement structure and the nearest confinement facility that has a submitted department manure management plan that is 3,960 feet or more.

The measured distance to the closest confinement facility that has a submitted department manure management plan is 11,420 feet which is 7,460 feet above the required separation distance of 3,960 feet.

Qualifies for 25 Points.



Bill Couser  
"Couser Cattle Company"

- Water Source
- Building

# Matrix Item #10 (30 Points)

There are not any High quality (HQ) waters  
High quality resource (HQR) waters,  
or Protected water areas (PWA) within 6000 feet  
of the proposed site



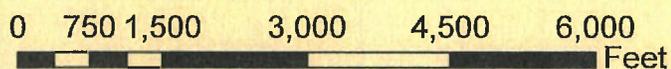
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

## Site Notes:

Per Table 6 (included in application) Separation distance from proposed confinement structure to closest: High quality (HQ) waters, High quality resource (HQR) waters, or Protected water areas (PWA) is at least two times the minimum required separation distance of 1000 feet.

The measured distance to High quality (HQ) waters, High quality resource (HQR) waters, or Protected water areas (PWA) is more than 6000 feet or more than two times the minimum distance of a 1000 feet.

Qualifies for 30 Points.



**Bill Couser**  
**"Couser Cattle Company"**

- Water Source
- Building
- 6000 Foot Radius

11. No points were taken on this item.
12. No points were taken on this item.

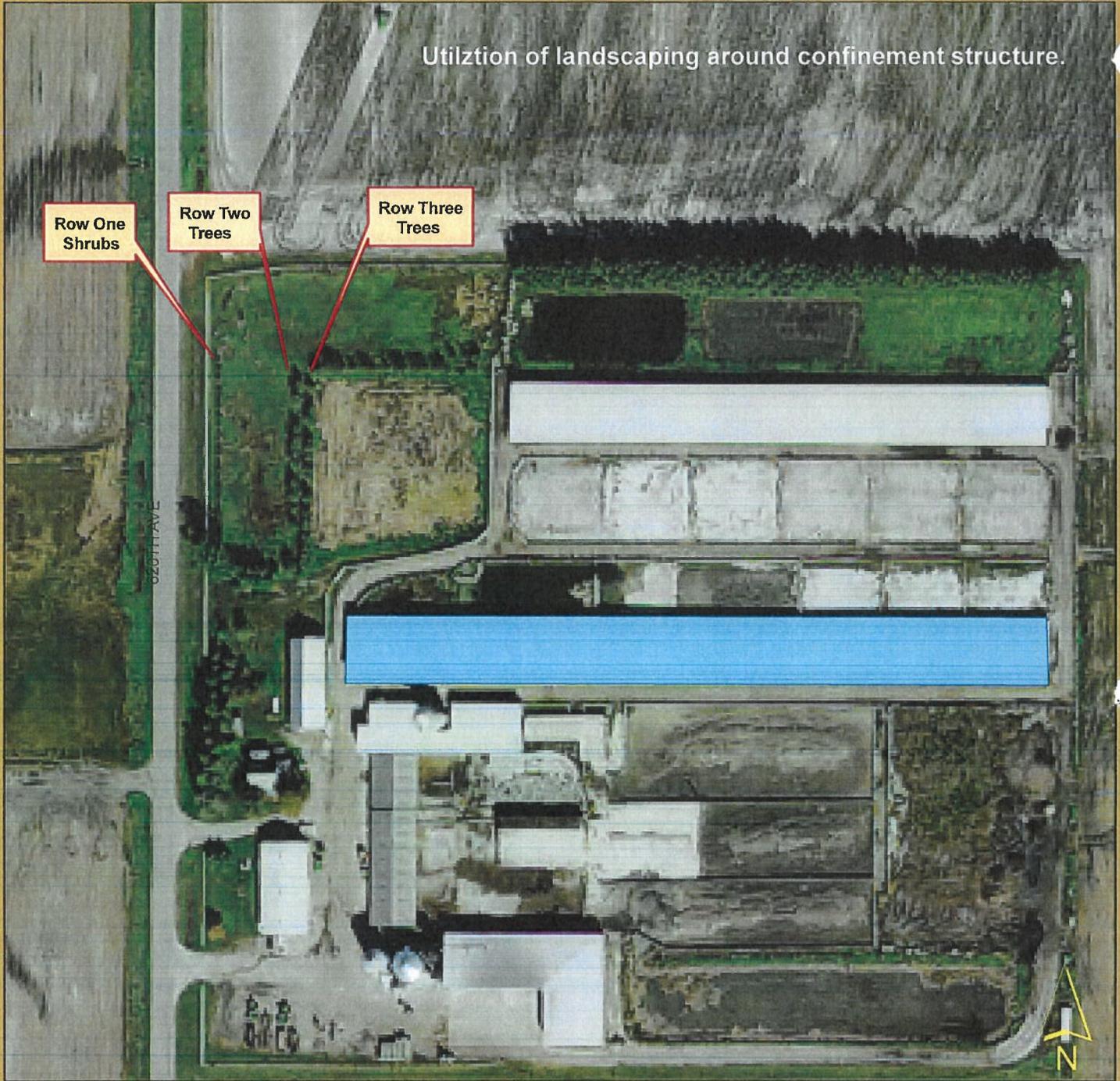
**Matrix - Item # 13 (20 Points)**

13. Construction permit application contains design, construction, operation and maintenance plan for emergency containment area at manure storage structure pump-out area.

Qualifies for 20 points

14. No points were taken on this item.

# Matrix #15 (20 Points)



NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

## Site Notes

The design, operation, and maintenance plan for the landscaping must be in the construction permit application and made a condition in the approved construction permit. The design should contain at least three rows of trees and shrubs, of both fast and slow-growing species that are well suited for the site.

Qualifies for 20 Points

0 75 150 300 450 600 Feet

Bill Couser  
"Couser Cattle Company"

— Water Source  
■ Building

16. No points were taken on this item.
17. No points were taken on this item.
18. No points were taken on this item.

# Matrix Item #19 (20 Points)



NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

A. Design: The site will be built to allow ample room for trucks to enter the site and turn around for delivery or load out of animals or feed. The layout will consist of an area east of the buildings for a truck turn-a-round. The driveway area will be surfaced with layered crushed rock to a thickness adequate to support loaded trucks. A diagram is enclosed to help envision what is proposed.

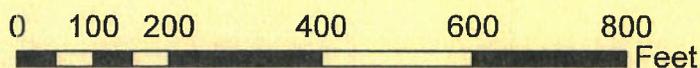
B. Operation: The driveway will be operated to provide for safe entrance and exit to the property for delivery vehicles and not to obstruct the county road.

C. Maintenance: Crushed rock will be applied as necessary to the driveway to keep trucks from sinking on entering/exiting the property for delivery or load outs; Snow will be removed in a timely fashion to keep the drive clear and safe for trucks. Sufficient amount of rock will be kept on the drive to keep the trucks from tracking mud onto the county roadway.

Qualifies for 20 points.

**Bill Couser**  
**"Couser Cattle Company"**

— Water Source



***Matrix/Item #20 (30 points)***

20. Couser Cattle Farm, William D. & Nancy Couser, have not had any Administrative Orders at any point in the last five years. Further, no one with an ownership interest in any part of the site has had any Administrative Order within the past five years which qualifies them for these points.

The following web site provided evidence we qualified for these points:  
<https://programs.iowadnr.gov/animalfeedingoperations/FacilitySummary.aspx>

We qualify for 30 points.

21. No points were taken on this item.
22. No points were taken on this item.

**Matrix/Item #23 (25 points)**

23. In speaking with the Story County Treasurer, we were advised that this site has the Family Farm Tax Credit.

**Matrix/Item #24 (10 points)**

24. This farm will have an animal unit capacity of 2700 animals which qualifies them for a score of 10 points on this item. See attached.

We qualify for 10 points.

**Table 1. Animal Unit Capacity (AUC):** (No. HEAD) x (FACTOR) = AUC

Animal Species	a) Existing AUC (Before permit)			b) Total Proposed AUC (After permit)		
	(No. Head)	x (Factor)	= AUC	(No. Head)	x (Factor)	= AUC
Slaughter or feeder cattle	2700	1.0	2700	2700	1.0	2700
Immature dairy cattle		1.0			1.0	
Mature dairy cattle		1.4			1.4	
Gestating sows		0.4			0.4	
Farrowing sows & litter		0.4			0.4	
Boars		0.4			0.4	
Gilts		0.4			0.4	
Finished (Market) hogs		0.4			0.4	
Nursery pigs 15 lbs to 55 lbs		0.1			0.1	
Sheep and lambs		0.1			0.1	
Horses		2.0			2.0	
Turkeys 7lbs or more		0.018			0.018	
Turkeys less than 7 lbs		0.0085			0.0085	
Broiler/Layer chickens 3 lbs or more		0.01			0.01	
Broiler/Layer chickens less than 3 lbs		0.0025			0.0025	
Fish		0.001			0.001	
<b>TOTALS:</b>	<b>a) Existing AUC:</b> 2700			<b>b) Total proposed AUC:</b> 2700		

Note: If the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in the "New AU" (column c)

c) New AU = b) - a):  
d)

-0-
-----

(This is the AUC of the operation)

**B) Calculating AWC - Only for operations first constructed prior to March 1, 2003**

The AWC is needed for an operation that was first constructed prior to March 1, 2003, to determine some of the minimum separation distance requirements for construction or expansion.

The AWC is the product of multiplying the maximum number of animals that you would ever confine at any one time by their average weight (lbs) during the production cycle. Then add the AWC if more than one animal species is present (examples on how to determine the AWC are provided in 567 IAC 65.1(455B).)

If the operation was first constructed prior to March 1, 2003, you must complete all applicable columns in Table 2:

**Table 2. Animal Weight Capacity (AWC):** (No. head) \* (Avg. weight, lbs) = AWC, lbs

Animal Species	a) Existing AWC (Before Permit)			b) Proposed AWC (After permit)		
	(No. head) x	avg weight	= AWC	(No. head) x	avg weight	= AWC
Slaughter or feeder cattle						
Immature dairy cattle						
Mature dairy cattle						
Gestating sows						
Farrowing sows & litter						
Boars						
Gilts						
Finished (Market) hogs						
Nursery pigs 15 lbs to 55 lbs						
Sheep and lambs						
Horses						
Turkeys 7lbs or more						
Turkeys less than 7 lbs						
Broiler/Layer chickens 3 lbs or more						
Broiler/Layer chickens less than 3 lbs						
Fish						
<b>TOTALS:</b>	<b>a) Existing AWC:</b>			<b>b) Total proposed AWC:</b>		

c) New AWC = b) - a):

--

(This is the AWC of the operation)

### Matrix/Item #25 (25 points)

25. We have claimed the 25 points because livestock feeding and watering systems are significantly reducing manure volume. Traditional cattle feeding and watering equipment consisted of dry feeders with a wall or gate mounted nipple waterers. A cow can eat dry food from a shelf or eat food from a bottom shelf that can be mixed with water from a nipple in the lower trough. They are made of industrial plastics and stainless steel. The nipples or floats are placed inside the unit for protection and adjustment. Water is regulated to use less energy in the winter and maintaining fresh water year round. Waterers are placed in the walls between pens to maximize use and no waste making pen and manure dryer.

Design: Several manufacturers can supply wet/dry feeders however, they are similar in they all provide for waterers that are contained in a trough so when the cow drinks any spillage is caught in the trough and mixed with feed. The troughs are welded watertight and strong enough to withstand any breakage from abuse. Materials are made of industrial plastics or stainless steel to withstand any breakage from abuse and prevent corrosion. The feeders have adjustable feed flow valves to reduce waste. Waterers are placed in the walls between pens to maximize use, waste less water and keep pen and manure dryer. The water in the waterers is regulated, especially in the winter, to use less energy and maintain fresh water year round. Refer to the enclosed study on wet/dry feeders and on the attached manufacturer's information.

Operation: The feed flow valves and water pressure regulators have standard setting as there are these applications in use. Easy adjustments can be made in the field to optimize feeding yet reduce waste. There are humans in the barn daily and perhaps the most important observation that is made is to check to see if feed and water is being delivered to these animals.

Maintenance: Maintenance of the feeders and waterers is a continuous process as this is the life blood of the facility. The barns are occupied with personnel on a daily basis looking specifically at feeders, waterers and cows. The equipment has easy adjustments and small inventory of the common replacement parts is kept on site. All water usage on site is metered by either the utility or owner. Water usage for a given number of cows is a fairly predictive number. Monitoring of this number will indicate proper functioning of the equipment.

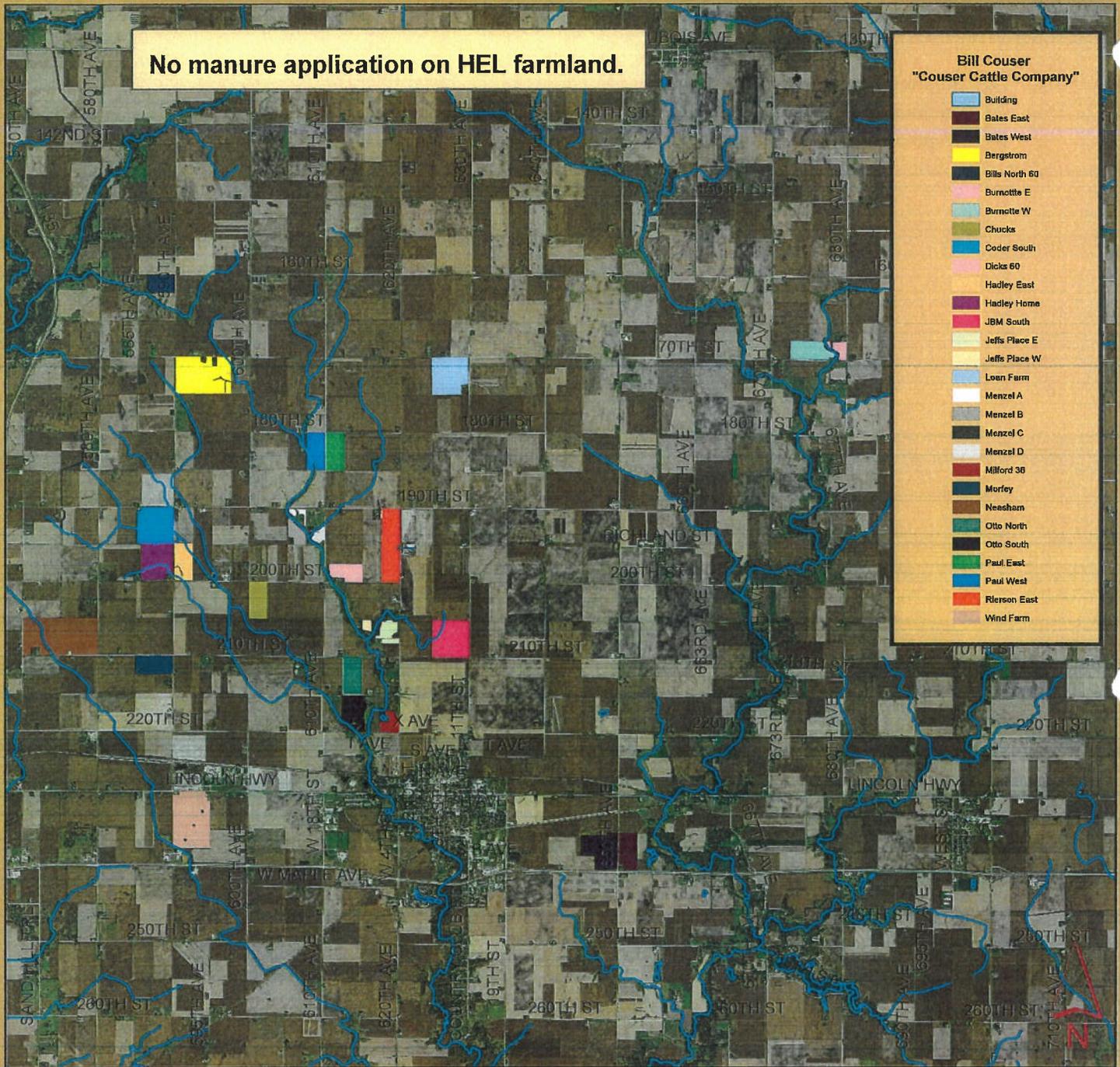
We qualify for 25 points.

26. No points were taken on this item.

27. No points were taken on this item.

28. No points were taken on this item.

# Matrix Item #29 (10 Points)

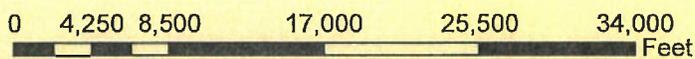


NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

## Site Notes:

Land application of manure does not occur on highly erodible land (HEL), as classified by the USDA NRCS.

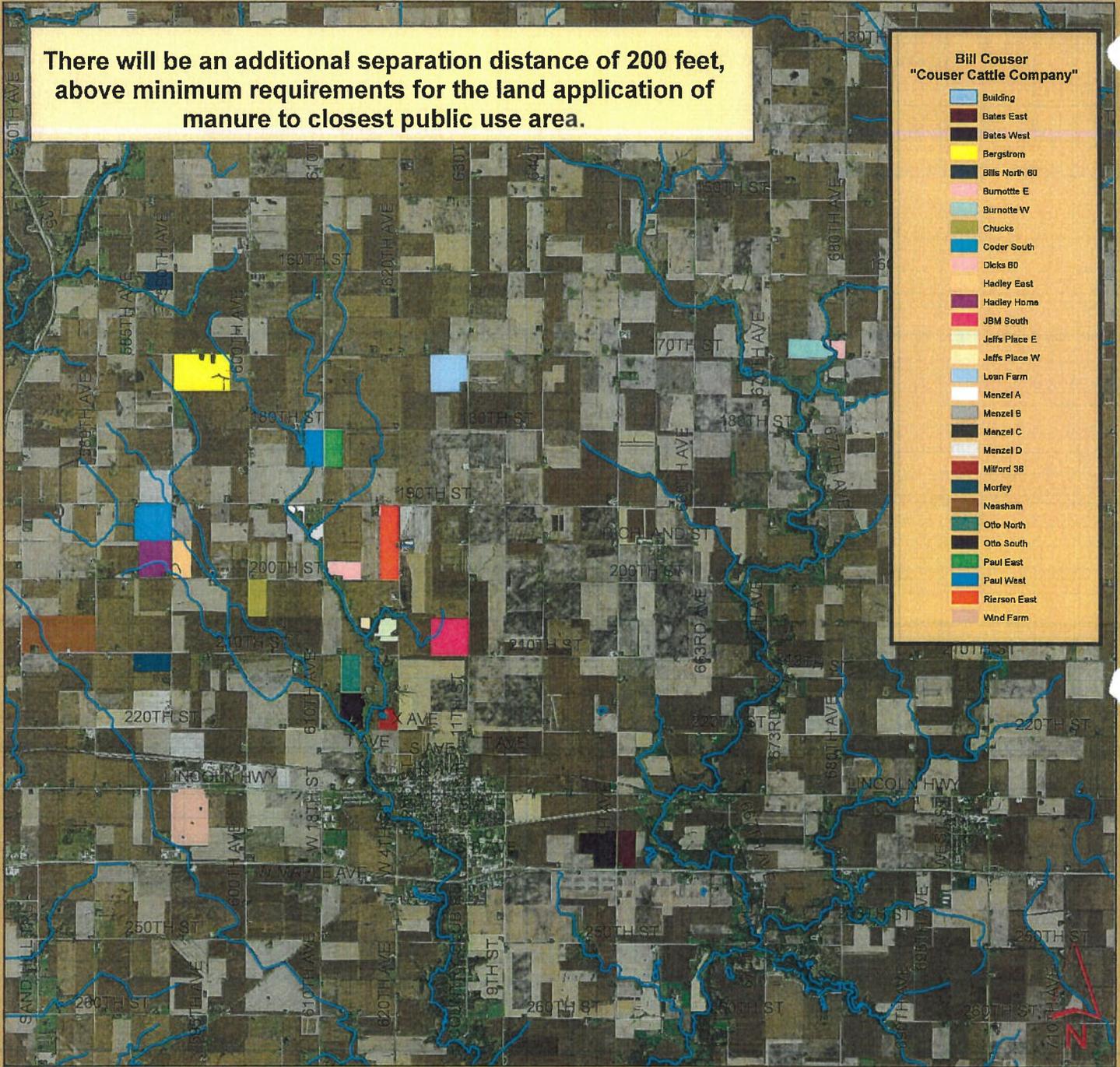
Qualifies for 10 Points.



30. No points were taken on this item.

# Matrix Item #31 (5 Points)

There will be an additional separation distance of 200 feet, above minimum requirements for the land application of manure to closest public use area.



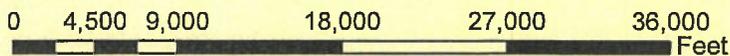
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

## Site Notes:

Minimum separation distance for land application of manure injected or incorporated on the same date as application is 0 feet.

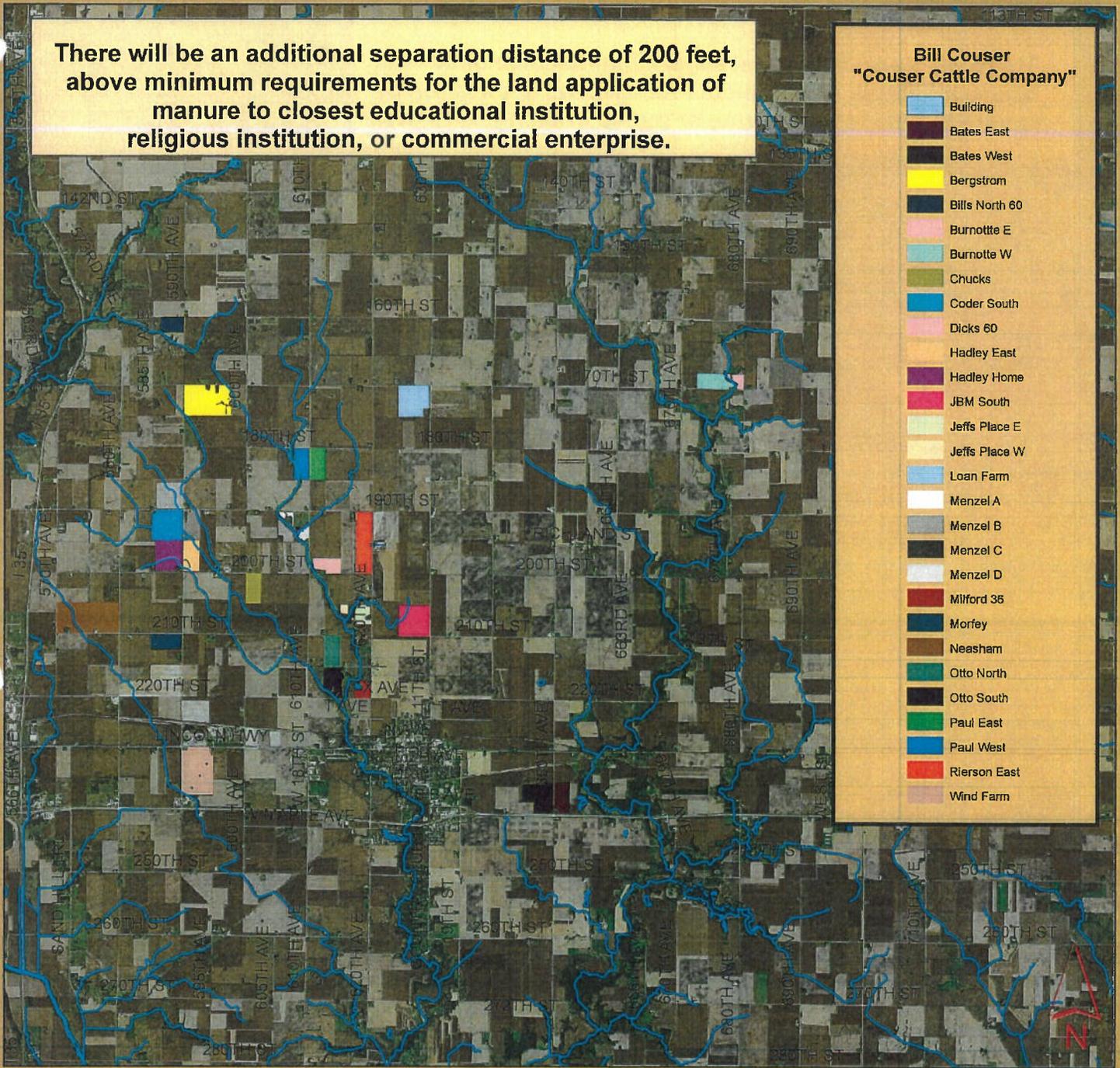
There will be an addition separation distance of 200 feet to the closest public use area.

Qualifies for 5 Points.



# Matrix Item #32 (5 Points)

There will be an additional separation distance of 200 feet, above minimum requirements for the land application of manure to closest educational institution, religious institution, or commercial enterprise.



NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

**Site Notes:**

Minimum separation distance for land application of manure injected or incorporated on the same date as application is 0 feet.

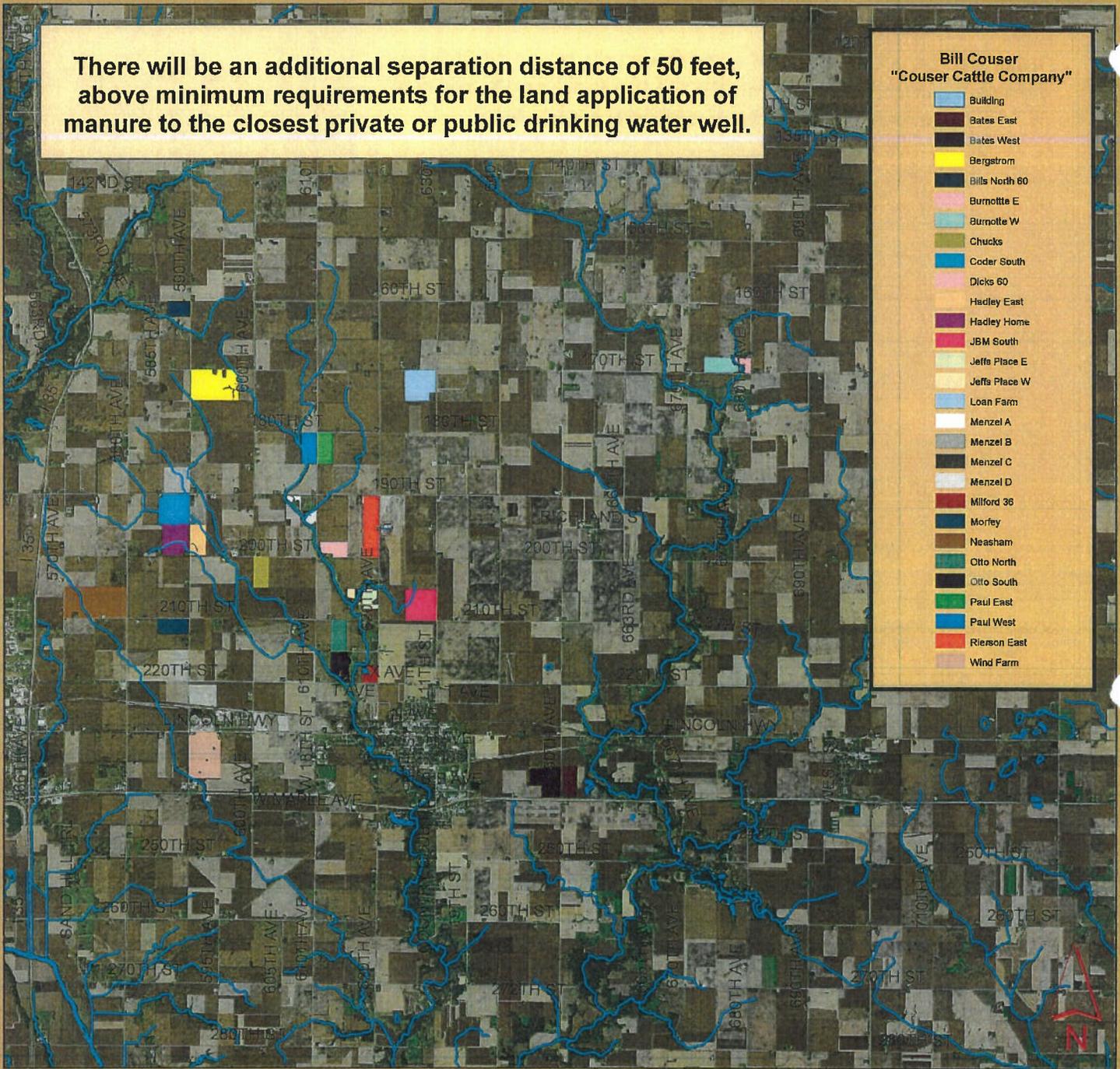
There will be an addition separation distance of 200 feet to the closest educational institution, religious institution, or commercial enterprise.

Qualifies for 5 Points.



# Matrix Item #33 (10 Points)

There will be an additional separation distance of 50 feet, above minimum requirements for the land application of manure to the closest private or public drinking water well.



- Bill Couser  
"Couser Cattle Company"**
- Building
  - Bates East
  - Bates West
  - Bergstrom
  - Bills North 60
  - Burnotte E
  - Burnotte W
  - Chucks
  - Coder South
  - Dicks 60
  - Hadley East
  - Hadley Home
  - JBM South
  - Jeffs Place E
  - Jeffs Place W
  - Loan Farm
  - Menzel A
  - Menzel B
  - Menzel C
  - Menzel D
  - Milford 36
  - Morley
  - Neasham
  - Otto North
  - Otto South
  - Paul East
  - Paul West
  - Rierson East
  - Wind Farm

NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

**Site Notes:**

Minimum separation distance for land application of manure injected or incorporated on the same date as application is 0 feet.

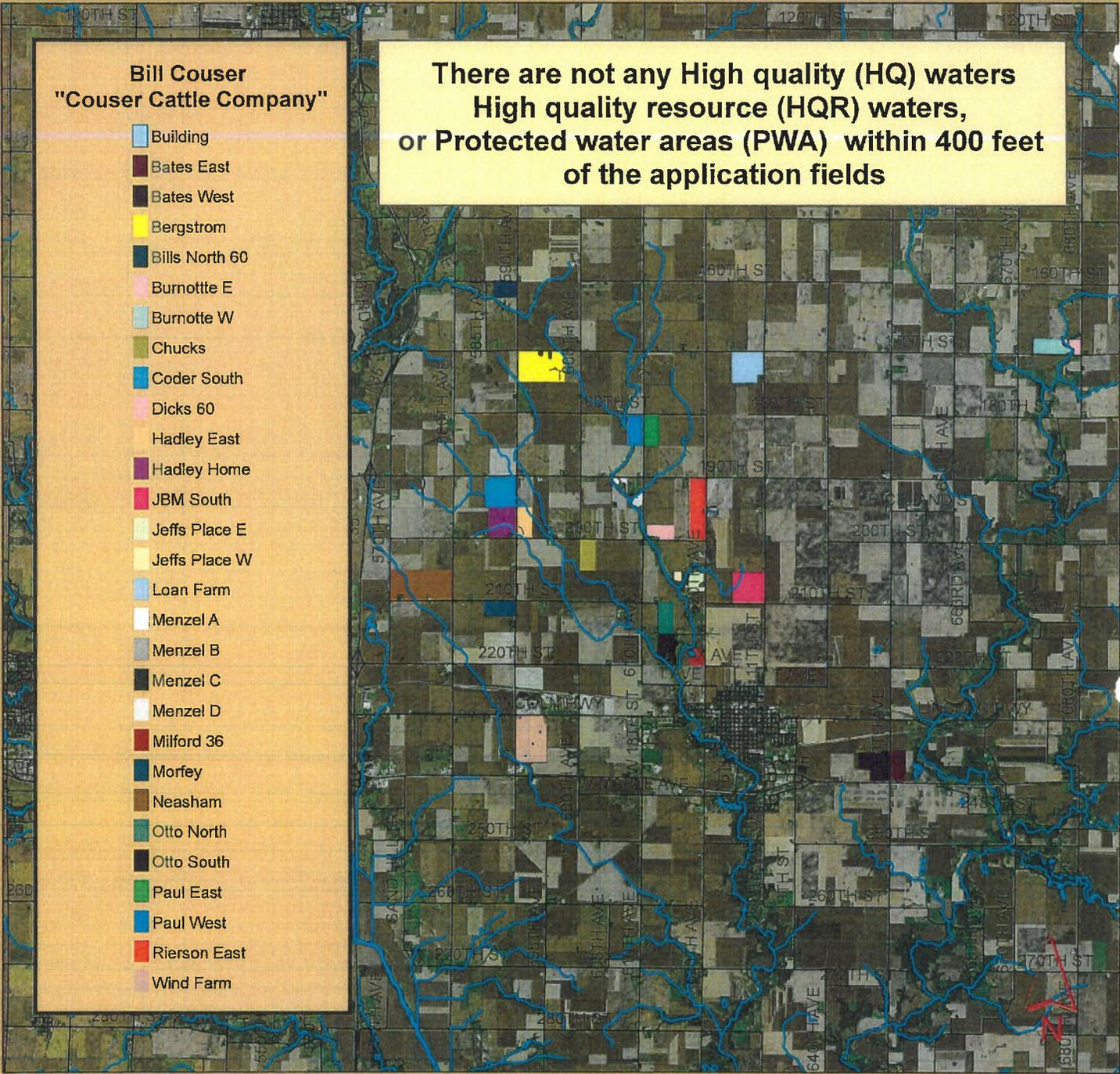
There will be an addition separation distance of 50 feet from the closest private or public drinking water well.

Qualifies for 10 Points.



34. No points were taken.

# Matrix Item #35 (10 Points)



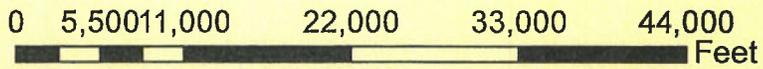
NW1/4 SW1/4 Section 19 T84N R22W Richland Plat Story County

**Site Notes:**

Additional separation distance above minimum requirements, for land application of manure to the closest: High quality (HQ) water, High quality resource (HQR) water, or Protected water area (PWA).

There is no HQ water, HQR water, or PWA within the addition separation of 400 feet of each application area.

Qualifies for 10 Points.



36. No points were taken on this item.

Matrix/Item #37 (10 points)

Attached is our worker safety plan which makes this site eligible for the 10 points offered on this item.

See Environmental  
Health Depart-  
ment for worker  
safety plan.

38. No points were taken on this item.

Matrix/Item #39(10 points)

39. Our full time equivalent position, Shane Juergensen, is paid above the Iowa Department of Workforce Development median as we pay our full time employee \$16.50/hour while the state median wage for this type of work is \$13.21 and the experienced wage is \$15.77

**Matrix/Item#40 (5 points)**

40. Construction permit application contains an emergency action plan. See attached.

We qualify for 5 points.

# Contact Names and Numbers

## Partial System Failure

### Electricity

Name: Alliant Energy

Phone: 800-822-4348

### Plumbing

Name: Rewarts Plump

Phone: 515-290-3981

### Ventilation

Name: Sorem Sales

Phone: 515-231-0162

### Heating

Name: Van Sickel Heating

Phone: 515-291-8099

### Feed

Name: Key Coop

Phone: 515-380-5461

### Veterinarian

Name: Iowa State Uni

Phone: 515-294-2192

### Mortality Disposal

*Until compost facility is complete or in case of emergencies:*

Name: *National By Produces*

Phone: *515-288-2168*

### Insurance Carrier

Name: Town and Country Phone: 800-418-3188

Policy#: 3026606721

Other:

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## Contact Names and Numbers

**Site Name:**  
Couser Cattle Company

**Owner/Operator:**  
Name: Bill Couser

Phone: 515-231-0614

**Site Address (including e911 address)**

19567 620th Ave.  
Nevada, Iowa 50201

**Special Directions to the Site:**  
620th Ave North of Nevada Iowa  
3.5 miles East

**Human Injury:**  
First Aid Kit is located: Shop  
Bathroom

**Rescue Unit/Ambulance:**  
Phone: 911

**Doctor or Physician:**  
Name: Zimmerman ---  
Phone: 515-382-5471

**Hospital or Medical Clinic Name:**  
McFarland Clinic  
Phone: 515-382-5471

**Fire Department Phone:** 2.11

**Fire extinguisher located:**  
West Shop

**County Sheriff**  
Name: Paul Fitzgerald

Phone: 911

**County Health Official**  
Name: Margert Jayne

Phone: 515-382-7230

**Poison Control Center**  
Phone: 800-222-1222

**Other Important Numbers:**

**Name:** Tim Couser

**Phone:** 515-231-3851

**Name:** Casey Couser

**Phone:** 515-231-6149

**Name:** Nancy Couser

**Phone:** 515-231-1853

# Contact Names and Numbers For Emergency Action Plan

Stop all activity and focus all attention and resources to controlling manure release.

## Iowa Department of Natural

Resources Field Office  
State law requires that you report manure spills or leaks to the Iowa Department of Natural Resources as soon as possible, but not later than 6 hours from onset or discovery of the problem.  
Field Office

Work Days (8 a.m. - 4:30 p.m.) Phone :

## Weekends, Holidays, and After Business Hours

Phone : 515-725-8694

Contact Twin Lakes Environmental Services, LLC, at any time for environmental consulting.

Twin Lakes Environmental Services, LLC  
712-297-5530 - Office  
712-297-8720 - Residence  
712-210-2164 - Becky Sexton  
Cell 712-830-3960 - Mike Sexton  
Cell  
County Sheriff  
Name :  
Phone : 911

## Contractors

### Earth Moving

Name: Construct

Phone: 515-203-6838

### Pumping Equipment

Name: Same

Phone:

### Hauling Equipment

Name: Same

Phone:

### Equipment Owners

Name: Same

Phone:

County Engineer

Name: Jake Hall

Phone: 515-382-7355

**Matrix/Item#41 (5 points)**

41 This is our Closure Plan as of 3/13/15. This plan has been written in accordance with NRCS Conservation Practice Standard "Closure of Waste Impoundments". In meeting the standards of the NRCS' Code #360 (enclosed herewith) this also meets the standards and requirements which are set forth by the Iowa DNR. This closure plan is based off of the NRCS Conservation Practice Standard "Waste Facility Closure" (#Code 360). The closure shall comply with all federal, state, local and tribal laws, rules and regulations that are in place at the time of the closure.

Applicant will notify the DNR Field Office of their intent to close this structure subsequent to six (6) months of the structure being empty of livestock. Applicant will follow any closure rules that may be established at that time that is more stringent than this closure plan. The applicant and the DNR will establish a time line of completion for the closure plan.

1. Manure should be well agitated to try to remove as much manure as possible. The effluent, solids and any sludge will have an analysis for both nitrogen and phosphorus. This analysis will be used in determining the amount of material to be applied on a per acre basis according to the Manure Management Plan.
2. Non-concrete construction material should be removed and disposed of following DNR guidelines.
3. Slats should be removed for pit cleaning. Slats can be broken and added back after the pit is clean and walls have been knocked in.
4. All solids left in concrete containment shall be removed and field applied using agronomic rates.
5. After concrete containment is cleaned, applicant shall contact the DNR Field Office for visual inspection if DNR so advises. If DNR determines containment clean enough to not create environmental impact, applicant may proceed to the next step.
6. Floor of containment shall be broken up so as to not impound water. Sub drain tile may be removed. Containment walls will be broken up and pulled into pit area. Demolished building materials shall be placed on top of concrete if not disposed of in another way.
7. Materials are to be covered with soil to a settled depth of one foot, and the backfill be sufficiently mounded such that runoff will be diverted from the site after the backfill settles.
8. Measures shall be taken during the construction to minimize site erosion and pollution of downstream water resources. This may include such items as silt fences, hay bale barriers, temporary vegetation, and mulching.

We qualify for 5 points.

42. No points were taken on this item.

43. No points were taken on this item.

44. 15 points. See Groundwater Monitoring  
Previously Filed

## Bates East

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres 72.74 Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

950 feet from public use areas, schools, churches, and commercial enterprises.  
 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.  
 250 feet from wells.  
 1200 feet from high quality water resources (none in Story County).  
 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

W1/2 SW1/4 Section 10 T83N R22W Nevada Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Bates West

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres 106.55 Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, **abandoned wells**, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NW1/4 SE1/4 & E1/2 SE1/4 Section 9 T83N R22W Nevada Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Bergstrom

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres 218.94 Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

## Fertilizer Applications

Date	Type	Analysis	Rate

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NW1/4 & W1/2 NE1/4 Section 10 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Bill's N 60

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **56.29** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

N Part NE1/4 Section 4 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Burnotte East

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **25.20** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, **abandoned wells**, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SE Part SE1/4 Section 1 T84N R22W Richland Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil? Yes/no If yes, day	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
										= 5 mph = 5 mph				
										= 5 mph = 5 mph				
										= 5 mph = 5 mph				
										= 5 mph = 5 mph				

## Burnotte West

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **78.86** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SE Part SW1/4 & SW Part SE1/4 Section 1 T84N R22W Richland Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil? Yes/no If yes, day	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one) = 5 mph = 5 mph	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination

# Chuck's

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **79.60** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

W1/2 NW1/4 Section 26 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Coder South

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres 153.83 Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

950 feet from public use areas, schools, churches, and commercial enterprises.  
 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.  
 250 feet from wells.  
 1200 feet from high quality water resources (none in Story County).  
 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NE1/4 Section 21 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Dick's 60

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **61.18** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, **abandoned wells**, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

S1/2 SW1/4 Section 24 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Hadley East

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **77.42** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, **abandoned wells**, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

W1/2 SW1/4 Section 22 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Hadley Home

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **132.88** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

## Fertilizer Applications

Date	Type	Analysis	Rate

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

E Part SE1/4 Section 21 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## JBM South

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **155.72** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

950 feet from public use areas, schools, churches, and commercial enterprises.  
 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.  
 250 feet from wells.  
 1200 feet from high quality water resources (none in Story County).  
 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SE1/4 Section 30 T84N R22W Richland Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Jeff's Place East

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **40.49** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NE Part SE1/4 Section 25 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Jeff's Place West

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **10.85** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NW Part SE1/4 Section 25 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Loan Farm

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **148.70** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NE1/4 Section 7 T84N R22W Richland Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Menzel A

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **10.65** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NW Part NE1/4 Section 23 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Menzel B

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **32.79** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SW Part NE1/4 Section 23 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Menzel C

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **2.42** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

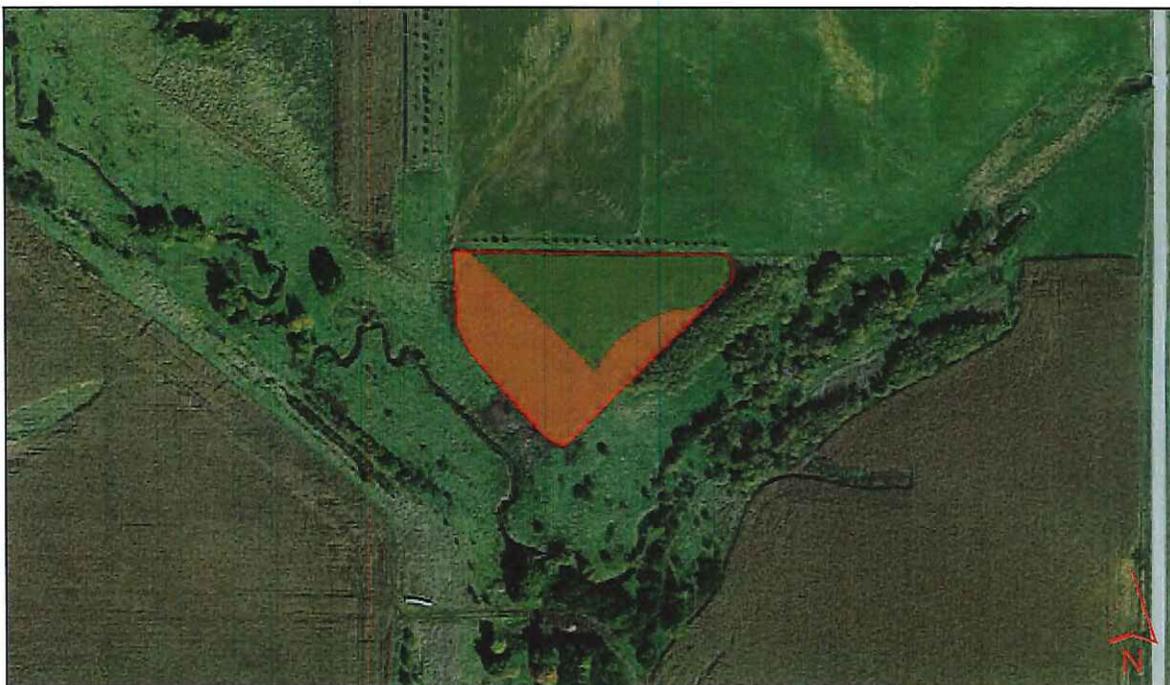
Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NW Part SE1/4 NE1/4 Section 23 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Menzel D

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **14.49** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

## Fertilizer Applications

Date	Type	Analysis	Rate

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SE Part NE1/4 Section 23 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Milford 36

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **31.73** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SE Part SE1/4 Section 36 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Morfeý

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **76.83** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

## Fertilizer Applications

Date	Type	Analysis	Rate

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

N1/2 NE1/4 Section 33 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

# Neasham

## Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres 299.81 Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

## Fertilizer Applications

Date	Type	Analysis	Rate

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

## Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

SW1/4 & SE1/4 Section 29 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Otto North

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **76.88** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

E1/2 NW1/4 Section 36 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Otto South

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **75.13** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

E Part SW1/4 & W Part SE1/4 Section 36 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Paul East

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres 76.75 Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

W1/2 NW1/4 Section 13 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment:

Net Load Capacity:

tons:

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Paul West

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **74.68** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

E1/2 NE1/4 Section 14 T84N R23W Milford Plat Story County

## Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Rierson East

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **155.56** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, abandoned wells, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

E1/2 SE1/4 & E1/2 NE1/4 Section 24 T84N R23W Milford Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				

## Wind Farm

### Field Record

Field ID/Location \_\_\_\_\_  
 FSA Tract and Field # \_\_\_\_\_  
 Acres **225.00** Crop \_\_\_\_\_ Prev. Crop \_\_\_\_\_  
 Variety \_\_\_\_\_ Planting Date \_\_\_\_\_  
 Population \_\_\_\_\_ Harvest Date \_\_\_\_\_ Yield \_\_\_\_\_  
 Moisture \_\_\_\_\_ Test Weight \_\_\_\_\_

### Fertilizer Applications

Date	Type	Analysis	Rate

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Herbicide & Pesticide Applications

Product \_\_\_\_\_ Date \_\_\_\_\_  
 Operator \_\_\_\_\_ Crop Stage \_\_\_\_\_  
 Rate \_\_\_\_\_ Area \_\_\_\_\_ Total Applied \_\_\_\_\_  
 Target Weeds/Pests: \_\_\_\_\_  
 Weather and Soil Conditions \_\_\_\_\_

### Manure Analysis

Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_  
 Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_  
 Potassium \_\_\_\_\_ Test Date \_\_\_\_\_



#### Field Notes:

Dry Manure - Surface Application - Not Incorporated:

- 950 feet from public use areas, schools, churches, and commercial enterprises.
- 200 feet from sinkholes, ~~abandoned wells~~, cisterns, designated wetlands, and water sources.
- 250 feet from wells.
- 1200 feet from high quality water resources (none in Story County).
- 200 feet from unplugged ag drainage wells, or ag drainage wells surface inlets.

**Bill Couser**  
**"Couser Cattle Company"**

NW1/4 & N1/2 SW1/4 Section 10 T83N R23W Grant Plat Story County

### Solid Manure Handling/Application Record

Handling/Application Equipment: \_\_\_\_\_

Net Load Capacity: \_\_\_\_\_

tons: \_\_\_\_\_

Date	Manure Source	# of Loads	Manure incorporated into soil?	Area Covered (acres)	Max tons/acre	Actual tons applied	Field conditions Dry, muddy, frozen etc.	Set backs Maintained	Wind direction From:	Wind speed (circle one)	Day before app.	Day of app.	Day after app.	Field - spreading notes or stockpile destination
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				
			Yes/no If yes, day							= 5 mph = 5 mph				