

NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

Submit To: CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502
http://agriculture.ks.gov/dwr

**APPLICATION FOR APPROVAL TO
CHANGE THE PLACE OF USE, THE
POINT OF DIVERSION OR THE USE
MADE OF THE WATER UNDER AN
EXISTING WATER RIGHT**



State of Kansas

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule on signature page of application form.)

Paragraph Nos. 1, 2, 3, 4 & 8 must be completed. Complete all other applicable portions. A topographic map or detailed plat showing the authorized and proposed points(s) of diversion and /or place of use must accompany this application.

1. Application is hereby made for approval of the Chief Engineer to change the

- Place of Use
- (Check one or more) Point of Diversion
- Use Made of Water

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File No. 16,878.02

2. Name of applicant: Barton County Feeders, Inc.

Address: 1164 SE 40 Road

City, State and Zip: Ellinwood, KS 67526

Phone Number: (620) 564-2200

E-mail address: alan.pohlman@ilsbeef.com

What is your relationship to the water right; owner tenant agent other? If other, please explain. _____

Name of water use correspondent: Barton County Feeders, Inc.

Address: 1164 SE 40 Road

City, State and Zip: Ellinwood, KS 67526

Phone Number: (620) 564-2200

E-mail address: alan.pohlman@ilsbeef.com

3. The change(s) proposed herein are desired for the following reasons (please be specific): The recent expansion of our cattle feeding facility changed the demands on our stockwatering wells. The proposed changes using additional wells will balance demand and authorized quantity among the wells that have been affected.

The change(s) ~~was~~ will be completed by _____ upon approval.

(Date)

For Office Use Only:

F.O. 2 GMD 5 Meets K.A.R. 5-5-1 (YES / NO) Use STV Source GS County BT By ADW Date 12/18/17
Code CGE Fee \$ 200 TR # _____ Receipt Date 12/18/17 Check # 677

12/21/2017 ULM

4. The presently authorized place of use is:

Owner of Land — NAME: Barton County Feeders, Inc.

ADDRESS: 1164 SE 40 Road, Ellinwood, KS 67526

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES		
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			
20	20S	11W	X	X	X	X											X	X	X	X	E 1/2

List any other water rights that cover this place of use. See attachment for overlaps related to stockwater use.

Owner of Land — NAME: _____

ADDRESS: _____

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES		
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			

List any other water rights that cover this place of use. _____

(If there are more than two landowners, attach additional sheets as necessary.)

5. It is proposed that the place of use be changed to:

Owner of Land — NAME: -- No change in place of use is proposed --

ADDRESS: _____

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES		
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			

List any other water rights that cover this place of use. _____

Owner of Land — NAME: _____

ADDRESS: _____

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES		
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			

List any other water rights that cover this place of use. _____

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IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY

**ATTACHMENT TO APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF
USE, THE POINT OF DIVERSION OR THE USE MADE OF THE WATER UNDER AN
EXISTING WATER RIGHT**

APPLICANT: BARTON COUNTY FEEDERS, INC. – FILE NO. 16,878.02

Continuation of Page 2, No. 4, The presently authorized place of use is:

List any other water rights that cover this place of use.

The following water rights have the same place of use as the place of use for the additional wells proposed in this application (feedlot in the E ½ Section 20 T20S R11W):

File Nos. 9,658.01, 14,298.02, 16,878.03, 18,686.05, 18,686.06, 36,377.01 and 37,458 (pending STK use application).

The place of use for File No. 41,588 includes the NW ¼ NE ¼ Section 20 T20S R11W.

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6. The presently authorized point(s) of diversion (is) (~~are~~) one well, pump and appurtenances
(Provide description and number of points)
7. The proposed point(s) of diversion (~~is~~) (are) four wells, pumps and appurtenances (3 active + 1 standby)
(Provide description and number of points)

List all presently authorized point(s) of diversion:

8. **Presently authorized point of diversion:**
 One in the SE Quarter of the NW Quarter of the NE Quarter of Section 20, Township 20 South, Range 11W (E/W), in Barton County, Kansas, 4439 feet North 1680 feet West of Southeast corner of section.
 Authorized Rate 75 gpm Authorized Quantity 39.2 acre-feet
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the SE Quarter of the NW Quarter of the NE Quarter of Section 20, Township 20 South, Range 11W (E/W), in Barton County, Kansas, 4439 feet North 1680 feet West of Southeast corner of section.
 Proposed Rate Standby Proposed Quantity Standby
 This point is: Additional Well Geo Center List other water rights that will use this point _____

9. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the SE Quarter of the SW Quarter of the NE Quarter of Section 20, Township 20 South, Range 11W (E/W), in Barton County, Kansas, 2980 feet North 1485 feet West of Southeast corner of section.
 Proposed Rate 41 gpm Proposed Quantity 20.6 acre-feet
 This point is: Additional Well Geo Center List other water rights that will use this point 9,658.01

10. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 20, Township 20 South, Range 11W (E/W), in Barton County, Kansas, 2690 feet North 2620 feet West of Southeast corner of section.
 Proposed Rate 30 gpm Proposed Quantity 15.0 acre-feet
 This point is: Additional Well Geo Center List other water rights that will use this point 16,878.03

11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used.
 Retain the well associated with File No. 16,878.02 (ID 3) as a standby well.

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- 6. The presently authorized point(s) of diversion (is) (are) _____
(Provide description and number of points)
- 7. The proposed point(s) of diversion (is) (are) _____
(Provide description and number of points)

List all presently authorized point(s) of diversion:

8. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of the _____
 of Section _____, Township _____ South, Range _____ (E/W),
 in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of the _____
 of Section _____, Township _____ South, Range _____ (E/W),
 in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

9. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of the _____
 of Section _____, Township _____ South, Range _____ (E/W),
 in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of the _____
 of Section _____, Township _____ South, Range _____ (E/W),
 in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

10. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of the _____
 of Section _____, Township _____ South, Range _____ (E/W),
 in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the _____ NE _____ Quarter of the _____ NW _____ Quarter of the _____ NE _____ Quarter
 of Section _____ 20 _____, Township _____ 20 _____ South, Range _____ 11W _____ (E/W),
 in _____ Barton _____ County, Kansas, _____ 5044 _____ feet North _____ 1711 _____ feet West of Southeast corner of section.
 Proposed Rate _____ 4 gpm _____ Proposed Quantity _____ 3.6 acre-feet _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____ 41,588

- 11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. _____

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12. The presently authorized use of water is for stockwatering purposes.

It is proposed that the use be changed to -- no change in use is proposed. purposes.

13. If changing the place of use and/or use made of water, describe how the consumptive use will not be increased.

No change in place of use or use made of water is proposed. There will be no change in consumptive use.

The existing authorized quantity will be redistributed among the existing stockwater wells.

(Please show any calculations here.)

14. It is requested that the maximum annual quantity of water be reduced to -- no change -- (acre-feet or million gallons).

15. It is requested that the maximum rate of diversion of water be reduced to -- no change -- gallons per minute (----- c.f.s.).

16. The application must include either a topographic map or detailed plat. A U.S. Geological Survey Topographic Map, scale 1:24,000, is available through the Kansas Geological Survey, 1930 Constant Avenue, University of Kansas, Lawrence, Kansas 66047-3726 (www.usgs.gov). The map should show the location of the presently authorized point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. The presently authorized place of use should also be shown. Identify the center of the section, the section lines and the section corners and show the appropriate section, township, and range numbers on the map. In addition the following information must also be shown on the map.

a. If a change in the location of the point(s) of diversion is proposed, show:

- 1) The location of the proposed point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. Please be certain that the information shown on the map agrees with the information shown in Paragraph Nos. 9, 10 and 11 of the application.
- 2) If the source of supply is groundwater, please show the location of existing water wells of any kind, including domestic wells, within 1/2 mile of the proposed well or wells. Identify each well as to its use and furnish name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please indicate so on the map.
- 3) If the source of supply is surface water, the names and mailing addresses of all landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.

b. If a change in the place of use is desired, show the proposed place of use by crosshatching on the map. Please be certain that the information shown on the map agrees with the information shown in Paragraph No. 5 of the application.

17. Attach documentation to show the change(s) proposed herein will not impair existing water rights and relates to the same local source of supply as to which the water right relates. This information may include statements, plats, geology reports, well logs, test hole logs, and other information as necessary information to show the above. Additional comments may be made below.

Please refer to the attached maps and supporting documentation.

18. If the proposed change(s) does not meet all applicable rules and regulations of the Kansas Water Appropriation Act, please identify the rules and regulations for which you request a waiver. State the reason why a waiver is needed and why the request should be granted. Attach documentation showing that granting the request will not impair existing water rights and will not prejudicially and unreasonably affect the public interest.

Please refer to the letter enclosed with this application for specific details concerning waiver requests. The

waiver requests pertain to well spacing as it relates to applicable provisions of K.A.R. 5-4-4, 5-5-16 and 5-25-2.

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Any use of water that is not as authorized by the water right or permit to authorize water **before** the chief engineer approves this application is a violation of the Kansas Water Appropriation Act for which criminal or civil penalties may be assessed. Such violation is a class C misdemeanor, punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. K.S.A. 82a-728(b). Civil penalties shall be not less than \$100 nor more than \$1,000 per violation. In the case of a continuing violation, each day such violation continues may be deemed a separate violation. In addition to these penalties the water right may be modified or suspended. K.S.A. 82a-737, as amended.

The application must be signed by all owners of the place of use authorized under the water right and his or her spouse, if married. Please indicate if there is no spouse. If land is being purchased under contract, the seller must sign as landowner until such time as the contract is completed.

In the event that all applicants cannot appear before one notary public, they may as necessary sign separate copies of the application before any notary public conveniently available to them. All copies signed in this manner shall be considered to be valid parts of the application.


If the request is signed on behalf of any Owner by someone with legal authority to do so (for example, an agent, one who has power of attorney, or an executor, executrix, conservator), it will be necessary to attach proper documents showing such authority.

I declare that I am an owner of the currently authorized place of use as identified herein, or that I represent all such owners and am authorized to make this application on their behalf, and declare further that the statements contained herein are true, correct, and complete. By filing this application I authorize the chief engineer to permanently reduce the quantity of water and/or rate of diversion as specified in sections 14 and 15 of this application.

Dated at Ellinwood, Kansas, this 12th day of December, 2017.

<u>Alan Pohlman</u> (Owner) Alan Pohlman (Please Print)	_____ (Spouse) (Please Print)
_____ (Owner) (Please Print)	_____ (Spouse) (Please Print)
_____ (Owner) (Please Print)	_____ (Spouse) (Please Print)

State of Kansas }
County of Barton } SS

State of Kansas - Notary Public

CHERYL RAPP
My Commission Expires 10-15-18

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 12th day of December, 2017.

My Commission Expires 10-15-18

Cheryl Rapp
Notary Public

FEE SCHEDULE

Each application to change the place of use, the point of diversion or the use made of the water under this section shall be accompanied by the application fee set forth in the schedule below:

- (1) Application to change a point of diversion 300 feet or less \$100
- (2) Application to change a point of diversion more than 300 feet \$200
- (3) Application to change the place of use \$200
- (4) Application to change the use made of the water \$300

Make check payable to **Kansas Department of Agriculture.**

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KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **BARTON COUNTY FEEDERS, INC.**

LOCATION: E 1/2 SECTION 20 T20S R11W, BARTON COUNTY, KANSAS

BY: FCM
DATE: 11/17/2017

CHECKED BY: CAM
DATE: 12/4/2017

**DISTRIBUTION OF RATE AND QUANTITY FOR ADDITIONAL WELLS
ASSOCIATED WITH FILE NO. 16,878.02**

Barton County Feeders, Inc. completed an expansion of the cattle feeding facility in 2017. This expansion included the construction of new pens, the installation of new wells, and extension of the water supply system to serve the new pens. The water supply system is a pressurized system supplied by multiple wells and is completely interconnected. The increased water demand resulting from the additional cattle and facilities caused a change in the dynamics of the system. The water quantities supplied by the system wells have changed due to the new facility configuration. It appears that there is an imbalance between well demand and authorized quantity. Barton County Feeders, Inc. proposes to rectify this situation by moving rate and quantity from the well associated with File No. 16,878.02 to other wells that supply the system. The proposed distributions of rate and quantity are summarized in the following calculations.

File No. 16,878.02:
Authorized Quantity = 39.2 AF (acre-feet)
Authorized Rate = 75 gpm (gallons per minute)

Use the additional well provisions of K.A.R. 5-5-16 to move rate and quantity to other existing wells to balance demand and authorized quantity:

ID & LOCATION OF ADDITIONAL WELL FROM SE CORNER OF SEC. 20 T20S R11W				PROPOSED QUANTITY	PROPOSED RATE	SUFFICIENCY OF PROPOSED RATE*
FILE NO.	P/D ID	NORTH	WEST			
9,658.01	12	2,980 FT	1,485 FT	20.6 AF	41 GPM	66.1 AF
16,878.03	2	2,690 FT	2,620 FT	15.0 AF	30 GPM	48.4 AF
41,588	5	5,044 FT	1,711 FT	3.6 AF	4 GPM	6.5 AF
TOTALS =				39.2 AF	75 GPM	

* QUANTITY = (RATE IN GPM) x (60 MIN/HR) x (24 HR/DAY) x (365 DAYS/YEAR) x (1 AF/325,851 GAL)
→ The proposed rate is sufficient if it has the potential to supply an annual quantity that is greater than the proposed quantity.

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SUMMARY:

	<u>FILE NO.</u>	<u>QUANTITY</u>	<u>RATE</u>
EXISTING:	9,658.01	33.4 AF	64 GPM
PROPOSED ADD. WELL:	16,878.02	20.6 AF	41 GPM
TOTAL:		54.0 AF	105 GPM

	<u>FILE NO.</u>	<u>QUANTITY</u>	<u>RATE</u>
EXISTING:	16,878.03	39.2 AF	75 GPM
PROPOSED ADD. WELL:	16,878.02	15.0 AF	30 GPM
TOTAL:		54.2 AF	105 GPM

	<u>FILE NO.</u>	<u>QUANTITY</u>	<u>RATE</u>
EXISTING:	41,588	14.9 AF	11 GPM
PROPOSED ADD. WELL:	16,878.02	3.6 AF	4 GPM
TOTAL:		18.5 AF	15 GPM

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WELL LOGS
STATIC WATER LEVEL INFORMATION
WATER QUALITY TEST RESULTS

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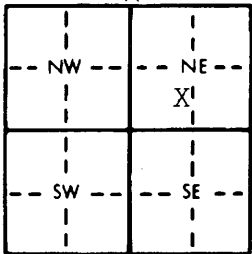
KS DEPT OF AGRICULTURE

1 LOCATION OF WATER WELL: Fraction NE 1/4 SW 1/4 NE 1/4 Section Number 20 Township Number T 20 S Range Number R 11 EW

Distance and direction from nearest town or city street address of well if located within city? Approx. 3 1/2 miles south and 1/2 mile east of Ellinwood, KS

2 WATER WELL OWNER: Barton Co. Land & Cattle Board of Agriculture, Division of Water Resources Application Number: Not Required

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: DEPTH OF COMPLETED WELL: 30 ft. ELEVATION: unknown



WELL'S STATIC WATER LEVEL: 16 ft. below land surface measured on mo/day/yr 10-14-82. Pump test data: Well water was Not ck'd. after hours pumping gpm. Est. Yield unknown gpm. Well water was ft. after hours pumping gpm. Bore Hole Diameter: 9 in. to 30 ft., and in. to ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well

5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued XX Clamped 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded 7 Fiberglass Threaded

Blank casing diameter: 5 in. to 20 ft., Dia. in. to ft., Dia. in. to ft. Casing height above land surface: 12 in., weight: 2,277 lbs./ft. Wall thickness or gauge No.: 214

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 20 ft. to 30 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 14 ft. to 30 ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From 0 ft. to 14 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) 13 Insecticide storage

Direction from well? North How many feet? 75

Table with columns: FROM, TO, LITHOLOGIC LOG. Row 1: 0, 18, Fine sand topsoil & sandy brown clay. Row 2: 18, 30, Sand & gravel, fine to med.

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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 10-14-82 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185. This Water Well Record was completed on (mo/day/yr) 10-19-82 under the business name of Clarke Well & Eq, Inc. by signature [Signature]

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T 20 R 11 EMD SEC. 20 1/4 5/16 1/4

1 LOCATION OF WATER WELL: County: Barton	Fraction SW ¼ SW ¼ NE ¼	Section Number 20	Township Number T 20 S	Range Number R 11 EW
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Distance and direction from nearest town or city street address of well if located within city?

Approx. 3½ miles south and 1/2 mile east of Ellinwood, KS

WATER WELL OWNER: Barton Co. Land & Cattle
 R#, St. Address, Box #: Route 2
 City, State, ZIP Code: Ellinwood, KS 67526
 Board of Agriculture, Division of Water Resources
 Application Number: not available

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: 88 ft. ELEVATION: unknown.
--	---

N

---	NW	---	NE	---
---	---	X	---	---
---	SW	---	SE	---

S

Depth(s) Groundwater Encountered 1. 23 ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL 23 ft. below land surface measured on mo/day/yr 8/22/86.

Pump test data: Well water was not ck'd ft. after hours pumping gpm

Est. Yield unknown gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter 18 in. to 87 in. to ft. and in. to ft.

WELL WATER TO BE USED AS:
 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering 12 Other (Specify below)

Was a chemical/bacteriological sample submitted to Department? Yes.....No...**X**.....; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes **X** No

5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 2 PVC 4 ABS	5 Wrought iron 8 Concrete tile 6 Asbestos-Cement 9 Other (specify below) 7 Fiberglass	CASING JOINTS: Glued X Clamped Welded Threaded
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Blank casing diameter 8 in. to 67 ft. Dia in. to ft. Dia in. to ft.

Casing height above land surface 12 in. weight 5.465 lbs./ft. Wall thickness or gauge No. 332

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)	7 PVC 10 Asbestos-cement
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)	

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)	6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)	

SCREEN-PERFORATED INTERVALS: From 67 ft. to 87 ft. From ft. to ft.

GRAVEL PACK INTERVALS: Annular Fill From 62 ft. to 87 ft. From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
--

GROUT INTERVALS: From 0 ft. to 10 ft. From 50 ft. to 62 ft. From ft. to ft.

What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage

Direction from well? north How many feet? 500

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	23	Topsoil & sandy brown clay			
23	28	Sand & gravel, fine to medium			
28	31	Clay, white			
31	51	Sand & gravel, fine to very fine to medium			
51	54	Sandy brown clay			
54	56	Sand & gravel, fine to medium			
56	66	Tan clay w/streaks of sand @ 61'			
66	87	Sand & gravel, fine to very fine, some medium			

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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 5/22/87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/yr) 5/22/87 under the business name of Clarke Well & Equipment, Inc. by (signature) *Paul W. Clarke*

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

Well # 7

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

9658.01

Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Barton Fraction 1/4 SE 1/4 SW 1/4 NE 1/4 Section Number 20 Township Number T 20 S Range Number R 11 E W

2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): Barton Co Feeders, Inc 1164 SE 40 Rd 3 1/4 South, 3/4 East of Ellinwood

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S 1 mile

4 DEPTH OF COMPLETED WELL: 81 ft. Depth(s) Groundwater Encountered: 1) 17 ft. 2) 22 ft. 3) 386 ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: 17 ft. below land surface, measured on (mo-day-yr) 12-15-16

5 Latitude: 38.298463 (decimal degrees) Longitude: 98.559088 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): WAAS enabled? Yes No Land Survey Topographic Map Online Mapper: Elevation: 386 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 5. Public Water Supply: well ID 6. Dewatering: how many wells? 7. Aquifer Recharge: well ID 8. Monitoring: well ID 9. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection 10. Oil Field Water Supply: lease 11. Test Hole: well ID Cased Uncased Geotechnical 12. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 13. Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 16 in. to 81 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 18 in. Weight Sch 40 lbs./ft. Wall thickness or gauge No. TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 81 ft. to 41 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 81 ft. to 20 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout intervals: From ft. to ft., From 20 ft. to 0 ft., From ft. to ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify): Direction from well? East Distance from well? 53 ft.

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-3 Top soil, 3-17 Soft sandy clay, 17-20 Sand & gravel- med/ sandy clay, 20-30 Sand & gravel- med clean coarse, 30-40 Dark tint sand & med gravel, 40-81 Sand & gravel- small med. Includes notes: WATER RESOURCES RECEIVED, DEC 18 2017, KS DEPT OF AGRICULTURE

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 3-23-17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 134 This Water Well Record was completed on (mo-day-year) 4-30-17 under the business name of Rosencrantz-Bemis Ent Inc Signature

General Well Site Information

USGS ID:	381819098340601	KGS Local Well ID:	20S 11W 17CCD 01
County:	Barton	PLSS Description:	20S 11W 17 SWSWSE
HUC 8 Code:	11030004	GMD:	Big Bend GMD #5
Longitude:	-98.568355	Lat/Long Source:	GPS
Latitude:	38.304812	Lat/Long Accuracy:	5 seconds
Surface Elevation (ft):	1795.98	Depth of Well (ft):	53
Geological Unit Codes:		USGS Map Name:	Ellinwood
Use of Site:	Withdrawal of Water	Use of Water:	Irrigation
WWC5 Links:	<u>3024</u>	WIMAS Link:	<u>29121</u>

[Google Location Map](#)

Well Remarks:

No available photograph for this well.

Measuring Point Information

Note that height is listed as feet above or below land surface.

Height:	2.3
Description:	MEASUREMENT TUBE AT SOUTH WELL

Other Well Identifiers

Well Identifier	Assignor	Date Assigned
BT09M	BMT MA Wells	MAY-21-2004
37458	KDA-DWR	MAY-21-2004
Middle Ark	KDA-DWR Wells	SEP-09-2016

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Water Level Measurements

381819098340601

Note that depth to water is feet below land surface and all measurements for the well are included.

Hydrograph- Annual Average Depth to Water Below Land Surface								
Date	Depth to Water	Status	Agency	Method	WL Source	Tape Hold	Chalk Cut	Initials
SEP-01-1997	-9.6	B	DWR	Unknown	-	-	---	-
JAN-01-1998	-8.1	B	DWR	Unknown	-	-	---	-
APR-01-1998	-6.5	B	DWR	Unknown	-	-	---	-
MAR-01-1999	-7.5	B	DWR	Unknown	-	-	---	-
MAY-01-1999	-6.6	B	DWR	Unknown	-	-	---	-
SEP-01-1999	-8.91	B	DWR	Unknown	-	-	---	-
JAN-01-2000	-8.81	B	DWR	Unknown	-	-	---	-
FEB-01-2000	-8.81	B	DWR	Unknown	-	-	---	-
MAR-01-2000	-6.71	B	DWR	Unknown	-	-	---	-
APR-01-2000	-7.19	B	DWR	Unknown	-	-	---	-
MAY-01-2000	-7.61	B	DWR	Unknown	-	-	---	-
JUN-01-2000	-9.31	B	DWR	Unknown	-	-	---	-
JUL-01-2000	-10.35	B	DWR	Unknown	-	-	---	-
AUG-01-2000	-10.17	B	DWR	Unknown	-	-	---	-
SEP-01-2000	-10.8	B	DWR	Unknown	-	-	---	-
OCT-01-2000	-10.77	B	DWR	Unknown	-	-	---	-
NOV-01-2000	-9.77	B	DWR	Unknown	-	-	---	-
DEC-01-2000	-9.68	B	DWR	Unknown	-	-	---	-
JAN-01-2001	-9.72	B	DWR	Unknown	-	-	---	-
FEB-01-2001	-9.53	B	DWR	Unknown	-	-	---	-
MAR-01-2001	-8.31	B	DWR	Unknown	-	-	---	-
APR-01-2001	-8.13	B	DWR	Unknown	-	-	---	-
JUN-01-2001	-9.05	B	DWR	Unknown	-	-	---	-
JUL-01-2001	-10.08	B	DWR	Unknown	-	-	---	-
AUG-01-2001	-11.06	-	DWR	Unknown	-	14	0.64	phd
SEP-01-2001	-9.39	B	DWR	Unknown	-	-	---	-
OCT-01-2001	-9.55	B	DWR	Unknown	-	-	---	-
NOV-01-2001	-9.67	B	DWR	Unknown	-	-	---	-
DEC-01-2001	-9.74	B	DWR	Unknown	-	-	---	-
JAN-01-2002	-9.72	B	DWR	Unknown	-	-	---	-

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FEB-01-2002	-9.9	B	DWR	Unknown	-	-	---	-
MAR-01-2002	-10.1	B	DWR	Unknown	-	-	---	-
APR-01-2002	-10.21	B	DWR	Unknown	-	-	---	-
MAY-01-2002	-10.77	B	DWR	Unknown	-	-	---	-
JUL-01-2002	-17.45	B	DWR	Unknown	-	-	---	-
AUG-01-2002	-12.73	B	DWR	Unknown	-	-	---	-
SEP-01-2002	-12.34	B	DWR	Unknown	-	-	---	-
OCT-01-2002	-11.78	B	DWR	Unknown	-	-	---	-
NOV-01-2002	-11.52	B	DWR	Unknown	-	-	---	-
DEC-01-2002	-11.44	B	DWR	Unknown	-	-	---	-
JAN-01-2003	-11.37	B	DWR	Unknown	-	-	---	-
FEB-01-2003	-11.3	B	DWR	Unknown	-	-	---	-
MAR-01-2003	-11.24	B	DWR	Unknown	-	-	---	-
APR-01-2003	-10.54	B	DWR	Unknown	-	-	---	-
MAY-01-2003	-11.1	B	DWR	Unknown	-	-	---	-
SEP-01-2003	-12.68	B	DWR	Unknown	-	-	---	-
OCT-01-2003	-12.58	B	DWR	Unknown	-	-	---	-
NOV-01-2003	-12.33	B	DWR	Unknown	-	-	---	-
DEC-01-2003	-12.24	B	DWR	Unknown	-	-	---	-
JAN-01-2004	-12.18	B	DWR	Unknown	-	-	---	-
FEB-01-2004	-12.05	B	DWR	Unknown	-	-	---	-
MAR-01-2004	-11.82	B	DWR	Unknown	-	-	---	-
APR-01-2004	-11.84	B	DWR	Unknown	-	-	---	-
MAY-01-2004	-12.25	-	DWR	Unknown	-	-	---	-
OCT-22-2004	-12.42	-	DWR	Unknown	-	-	---	-
NOV-23-2004	-12.23	-	DWR	Unknown	-	-	---	-
DEC-14-2004	-12.12	-	DWR	Unknown	-	-	---	-
JAN-06-2005	-11.65	-	DWR	Unknown	-	-	---	-
FEB-04-2005	-11.93	-	DWR	Unknown	-	-	---	-
MAR-04-2005	-11.63	-	DWR	Unknown	-	-	---	-
APR-21-2005	-11.43	-	DWR	Unknown	-	-	---	-
MAY-01-2005	---	P	DWR	Unknown	-	-	---	-
JUN-01-2005	-11.14	-	DWR	Unknown	-	-	---	-
AUG-12-2005	---	P	DWR	Unknown	-	-	---	-
OCT-25-2005	-12.08	-	DWR	Unknown	-	14.38	0.00	-
JAN-12-2006	-11.85	-	DWR	Unknown	-	15	0.85	-
APR-28-2006	-12.3	-	DWR	Unknown	-	14.6	0.00	-

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OCT-24-2006	-12.5	-	DWR	Unknown	-	14.8	---	crc
JAN-04-2007	-12.26	-	DWR	Unknown	-	17	2.44	-
APR-02-2007	-11.68	-	DWR	Unknown	-	15	1.02	-
OCT-04-2007	-9.36	-	DWR	Unknown	-	15	3.34	-
JAN-25-2008	-9.01	-	DWR	Unknown	-	15	3.69	-
APR-15-2008	-8.63	-	DWR	Unknown	-	15	4.07	-
OCT-29-2008	-7.08	-	DWR	Unknown	-	13	3.62	-
JAN-22-2009	-7.69	-	DWR	Unknown	-	14	4.01	-
JUN-02-2009	-6.33	-	DWR	Unknown	-	11	2.37	-
NOV-03-2009	-7.17	-	DWR	Unknown	-	10	0.53	-
DEC-31-2009	-7.41	-	DWR	Unknown	-	11	1.29	-
APR-12-2010	-7.18	-	DWR	Unknown	-	11	1.52	ekf
OCT-19-2010	-8.92	-	DWR	Unknown	-	14	2.78	ekf
JAN-05-2011	-8.65	-	DWR	Unknown	-	13	2.05	ekf
APR-14-2011	-8.8	-	DWR	Unknown	-	12	0.90	ekf
NOV-17-2011	-11.86	-	DWR	Unknown	-	17	2.84	ekf
MAR-05-2012	-11.29	-	DWR	Unknown	-	15	1.41	pd
APR-19-2012	-10.65	-	DWR	Unknown	-	15	2.05	EKF
OCT-15-2012	-12.9	-	DWR	Unknown	-	16	0.80	EKF
JAN-17-2013	-12.59	-	DWR	Unknown	-	19	4.11	crc
APR-22-2013	-9.94	-	DWR	Unknown	-	16	3.76	al
OCT-09-2013	-10.8	-	DWR	Unknown	-	14	0.90	EKF
MAY-01-2014	---	-	DWR	Unknown	-	-	---	mjm
JAN-05-2015	-10.49	-	DWR	Unknown	-	16	3.21	MJM
OCT-15-2015	-9.99	-	DWR	Unknown	-	15	2.71	MJM
APR-14-2016	-10.57	-	DWR	Unknown	-	16	3.13	MJM
OCT-19-2016	-14.13	-	DWR	Unknown	-	20	3.57	MJM
DEC-30-2016	-10.54	-	DWR	Unknown	-	18	5.16	TJS
APR-19-2017	-10.12	-	DWR	Unknown	-	13	0.58	TJS

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1000 Corey Road
 P.O. Box 886
 Hutchinson, KS 67504-0886
 620-665-5661
 FAX: 620-665-0559
 TOLL FREE: 877-464-0623
 www.sdklabs.com

Sample # 3228.17
 Sample: Water
 Other ID: Well Sampled by L.L. Barton Co Feeders Test #1

Date Received: 06/30/2017
 Date/Time Sampled: 6/29/2017 15:00:00
 Date Reported: 07/06/2017
 Total Fee: \$35.00

ROSENCRANTZ-BEMIS DRILLING
 1105 281 BYPASS
 P.O. BOX 713
 GREAT BEND, KS 67530

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.38	s. u.	6/30/2017 10:35	SE
++Chloride - SM 4500-Cl B	210.00	mg/L	7/5/2017 11:00	SE
++Total Hardness - SM 2340B	323	mg/L		
++Nitrate-Nitrogen - SM 4500-NO3 D	13.80	mg/L	6/30/2017 16:00	SE
++Calcium - SM 3111B	109.00	mg/L	7/3/2017 09:30	AB
++Magnesium - SM 3111B	12.30	mg/L	7/3/2017 09:30	AB
++Sodium - SM 3111B	109.00	mg/L	7/3/2017 09:30	AB
++Sulfate - SM 4500 SO4 E	44.40	mg/L	6/30/2017 14:00	SE
++Iron - SM 3120B	3.73	mg/L	7/6/2017 11:00	JC
++Manganese - SM 3120B	0.096	mg/L	7/6/2017 11:00	JC
++Electrical Conductivity - SM 2510B	1270	umhos/cm	6/30/2017 15:30	SE
TDS-Total Dissolved Solids - Calculated	901	mg/L		

**Sample receipt temperature = 24.7 degrees C.

**Sample beyond hold time for pH.

*Analysis was subcontracted to another laboratory for state compliance - see attached.

++Denotes NELAP/KDHE Accredited Method. Lab Certificate #E-10152. Results meet all requirements of NELAC unless noted.

Methods of analysis per EPA-600 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

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Approved By:

M. H. Hogan

 Man Hogan

Copies:

The results reported pertain only to the samples as received by the laboratory

X



1000 Corey Road
 P.O. Box 886
 Hutchinson, KS 67504-0886
 620-665-5661
 FAX: 620-665-0559
 TOLL FREE: 877-464-0623
 www.sdklabs.com

Sample # 3229.17
 Sample: Water
 Other ID: Well Sampled by L.L. Barton Co Feeders Test #2

Date Received: 06/30/2017
 Date/Time Sampled: 6/29/2017 15:15:00
 Date Reported: 07/06/2017
 Total Fee: \$35.00

ROSECRANTZ-BEMIS DRILLING
 1105 281 BYPASS
 P.O. BOX 713
 GREAT BEND, KS 67530

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.32	s.u.	6/30/2017 10:38	SE
++Chloride - SM 4500-Cl B	215.00	mg/L	7/5/2017 11:00	SE
++Total Hardness - SM 2340B	367	mg/L		
++Nitrate-Nitrogen - SM 4500-NO3 D	13.90	mg/L	6/30/2017 16:00	SE
++Calcium - SM 3111B	127.00	mg/L	7/3/2017 09:30	AB
++Magnesium - SM 3111B	12.00	mg/L	7/3/2017 09:30	AB
++Sodium - SM 3111B	105.00	mg/L	7/3/2017 09:30	AB
++Sulfate - SM 4500 SO4 E	33.80	mg/L	6/30/2017 14:00	SE
++Iron - SM 3120B	Less than 0.01	mg/L	7/6/2017 11:00	JC
++Manganese - SM 3120B	Less than 0.01	mg/L	7/6/2017 11:00	JC
++Electrical Conductivity - SM 2510B	1270	umhos/cm	6/30/2017 15:30	SE
TDS-Total Dissolved Solids - Calculated	901	mg/L		

**Sample receipt temperature = 24.1 degrees C.
 **Sample beyond hold time for pH.
 * Analysis was subcontracted to another laboratory for state compliance - see attached.

--Denotes NELAP/KDHE Accredited Method. Lab Certificate #E-10152. Results meet all requirements of NELAC unless noted.
 Methods of analysis per EPA-600 or EPA SW-848, 3rd Ed., 1988 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1982.

Approved By: 
 Matt Hogan

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X

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **BARTON COUNTY FEEDERS, INC.**

LOCATION: E 1/2 SECTION 20 T20S R11W, BARTON COUNTY, KANSAS

BY: FCM
DATE: 12/5/2017

CHECKED BY: _____
DATE: _____

DISTANCE BETWEEN POINTS OF DIVERSION CALCULATED FROM COORDINATES

WATER RIGHT FILE NO.	DWR ID*	LEGAL DESCRIPTION (SEC-TWP-RGE)	DISTANCE FROM SE CORNER OF SECTION	
			NORTH	WEST
9,658.01	12	20-20S-11W	2,980 FT	1,485 FT
16,878.02	2	20-20S-11W	2,690 FT	2,620 FT
DIFFERENCE =			290 FT	-1,135 FT

$$\rightarrow \text{DISTANCE BETWEEN POINTS OF DIVERSION} = [(\text{NORTH DIFF.})^2 + (\text{WEST DIFF.})^2]^{1/2}$$

$$= \mathbf{1,171 \text{ FT}}$$

WATER RIGHT FILE NO.	DWR ID*	LEGAL DESCRIPTION (SEC-TWP-RGE)	DISTANCE FROM SE CORNER OF SECTION	
			NORTH	WEST
DIFFERENCE =			0 FT	0 FT

$$\rightarrow \text{DISTANCE BETWEEN POINTS OF DIVERSION} = [(\text{NORTH DIFF.})^2 + (\text{WEST DIFF.})^2]^{1/2}$$

$$= \mathbf{0 \text{ FT}}$$

WATER RIGHT FILE NO.	DWR ID*	LEGAL DESCRIPTION (SEC-TWP-RGE)	DISTANCE FROM SE CORNER OF SECTION	
			NORTH	WEST
DIFFERENCE =			0 FT	0 FT

$$\rightarrow \text{DISTANCE BETWEEN POINTS OF DIVERSION} = [(\text{NORTH DIFF.})^2 + (\text{WEST DIFF.})^2]^{1/2}$$

$$= \mathbf{0 \text{ FT}}$$

* INDICATES DWR ID FOR POINT OF DIVERSION

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1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

BARTON COUNTY FEEDERS, INC 12/20/17
1164 SE 40 ROAD
ELLINWOOD, KS 67526

FILE COPY

RE: File No 1687802

Dear Sir or Madam:

An application for approval of the Chief Engineer to change the following condition or conditions of the file number referred to above has been received:

- place of use PD
 point of diversion
 use made of water

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore, to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. You will be contacted regarding this application as soon as it has been examined.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water prior to approval of the application is unlawful. You should not proceed and divert water as indicated by your plans in your application for a change for this file until you receive approval for this change from the Chief Engineer. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor...

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Brent Tourney, L.G.
Change Applications Unit Supervisor
Water Appropriation Program

BAT: DLW
pc: STAFFORD Field Office GMD5

1700 E. IRON AVE. ▪ SALINA, KS 67401
T 785.823.0097 F 913.273.1493



1303 YUCCA ST. ▪ SCOTT CITY, KS 67871
WWW.KLAENVIRO.COM

December 8, 2017

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David Barfield, P.E.
Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

KS DEPT OF AGRICULTURE

Subject: Change Application Pertaining to File No. 16,878.02,
Barton County Feeders, Inc.

Dear Mr. Barfield:

The subject application and supporting documentation are submitted for your review and approval on behalf of the applicant, Barton County Feeders, Inc. KLA Environmental Services, Inc. assisted with the preparation of this application.

Barton County Feeders, Inc. completed an expansion of the cattle feeding facility in 2017. This expansion included the construction of new pens, the installation of new wells, and extension of the water supply system to serve the new pens. The water supply system is a pressurized system supplied by multiple wells that are interconnected. The increased water demand resulting from the additional cattle and facilities caused a change in the dynamics of the system. The water quantities supplied by the system wells have changed due to the new facility configuration. It appears that there is an imbalance between well demand and authorized quantity. Barton County Feeders, Inc. proposes to rectify this situation by moving rate and quantity from the well associated with File No. 16,878.02 to other wells that supply the system. The proposed distributions of rate and quantity are summarized as follows:

- Establish an additional well under File No. 16,878.02 to supply 20.6 acre-feet (AF) and 41 gallons per minute (GPM) through the well currently associated with File No. 9,658.01

- Establish an additional well under File No. 16,878.02 to supply 15.0 AF and 30 GPM through the well currently associated with File No. 16,878.03
- Establish an additional well under File No. 16,878.02 to supply 3.6 AF and 4 GPM through the well currently associated with File No. 41,588, and
- Retain the well currently associated with File No. 16,878.02 as a standby well.

We believe that the local source of supply will support the overall rates requested through this change application. A request for flow rate tests was submitted to the Stafford Field Office by e-mail on September 1, 2017. We ask that the rates requested in this change application be verified by current flow rate tests conducted by Division of Water Resources staff.

No change in consumptive use is anticipated. The current and proposed uses made of water are for stockwatering purposes, so there is no change in return flow. This use is continuous throughout the year. No change in authorized quantity is proposed. The pending change application associated with File No. 37,458 provides an additional source of water to support the recent facility expansion.

The additional wells proposed in this change application do not alter the existing spacings between wells. There are no non-owned wells within 1,320 feet of the proposed additional wells. The relatively linear arrangement of the wells results in spacings that are less than 1,320 feet between adjoining wells. The wells may be described as follows when proceeding from the northernmost well to the southernmost well:

- File No. 41,588 (ID 5) and a proposed additional well associated with File No. 16,878.02
- File No. 16,878.03 (ID 4), which is currently designated as a standby well
- File No. 16,878.02 (ID 3), which is proposed to be designated as a standby well
- File No. 18,686.05 (ID 1), which is currently designated as a standby well
- File No. 9,658.01 (ID 12) and a proposed additional well associated with File No. 16,878.02
- File No. 16,878.03 (ID 2) and a proposed additional well associated with File No. 16,878.02

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- File Nos. 14,298.02, 18,686.05, 18,686.06, and 36,377.01 (ID 13)

Please note that if the standby wells are excluded, then spacing criteria is met between the wells associated with File No. 41,588 and File No. 9,658.01 and the corresponding proposed additional wells. The spacing between the wells associated with File No. 9,658.01 and File No. 16,878.03 (ID 2) and the corresponding proposed additional wells is 1,172 feet based on calculations using well coordinates obtained from WRIS reports. The spacing from the well associated with File Nos. 14,298.02, 18,686.05, 18,686.06, and 36,377.01 (ID 13) and all other pertinent wells is much greater than the 1,320-foot requirement.

It is unlikely that any impairment will result from approval of the proposed additional wells. Approval of the additional wells would potentially result in a maximum overall rate of 105 GPM among the wells that do not currently meet spacing criteria. If impairment does result, it will only impact the applicant. We therefore request a waiver of the applicable provisions of K.A.R. 5-4-4, 5-5-16 and 5-25-2 as they relate to spacing between existing wells of earlier priority and the proposed additional wells.

The WIMAS and Water Well Completion Records (WWC5) databases operated by the Kansas Geological Survey were reviewed to locate neighboring wells. Based upon this review, it was determined that all wells within ½ mile of the proposed additional wells are owned by Barton County Feeders, Inc. Please refer to the enclosed maps for the locations of all wells pertaining to this application.

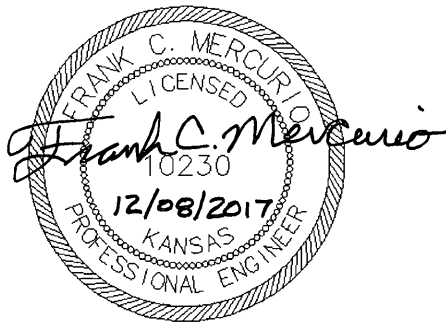
K.A.R. 5-5-16 requires the submission of information relating to well logs of the existing and proposed additional wells and the current depth to the static water level. All of the wells included in this change application are existing perfected wells. Several of the wells were constructed prior to the time when stockwatering rights were required for them. We searched the Water Well Completion Records (WWC5) database and located all pertinent well logs. Some of the well logs cannot be positively associated with File No. 16,878.02, so we included logs in the vicinity of this point of diversion. We could not locate a log for the well associated with File No. 41,588. We also included information from the closest active observation well to establish a current static water level for this area. The observation well is associated with the battery of wells serving File No. 37,458. The battery of wells is owned by Barton County Feeders, Inc. These wells are used for irrigation.

We could not locate any recent water quality tests pertaining to the wells included in this change application. Water quality test reports associated with the new well proposed in the pending application for File No. 37,458 are enclosed. This new well is located in

close proximity to the wells that are the subject of this application. This information is provided to establish that chloride levels are well below 500 mg/l within this area.

Please contact me if you have any questions concerning this application. Thank you for your consideration of this matter.

Respectfully,



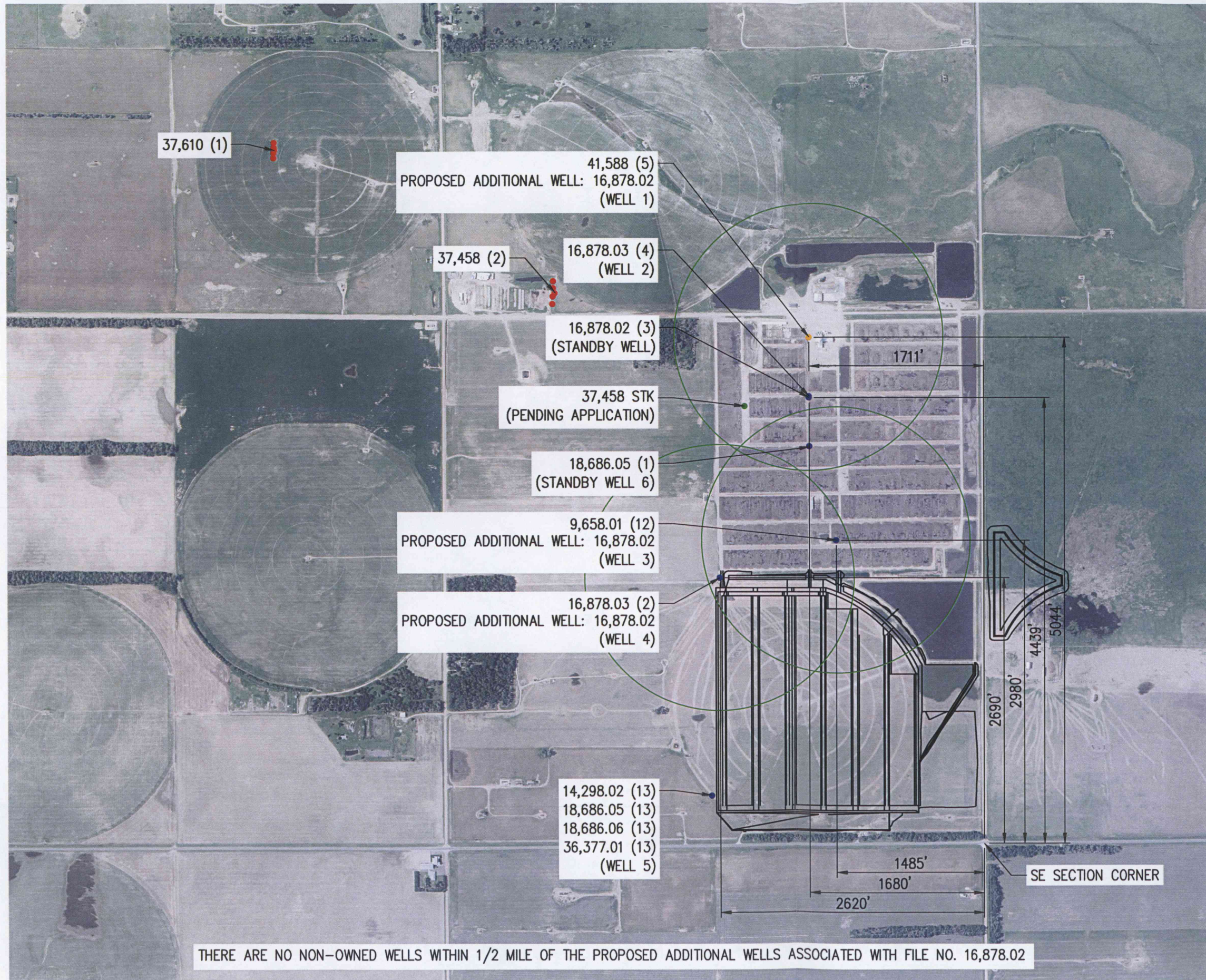
Frank C. Mercurio, P.E.

Enclosures

cc/enc: Alan Pohlman, Barton County Feeders, Inc.

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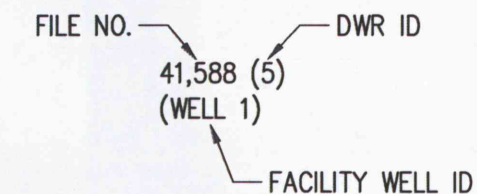
THERE ARE NO NON-OWNED WELLS WITHIN 1/2 MILE OF THE PROPOSED ADDITIONAL WELLS ASSOCIATED WITH FILE NO. 16,878.02

R11W

LEGEND

- POINT OF DIVERSION (STK)
- POINT OF DIVERSION (IRR)
- POINT OF DIVERSION (IND)
- POINT OF DIVERSION (PENDING APPLICATION-STK)

— BOUNDARY OF 1,320-FOOT SPACING AROUND PROPOSED ADDITIONAL WELL

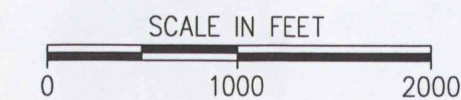


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BARTON COUNTY FEEDERS, INC
 WATER RIGHT CHANGE APPLICATION - FILE NO. 16,878.02
 E 1/2 SECTION 20 T20S R11W
 BARTON COUNTY, KANSAS

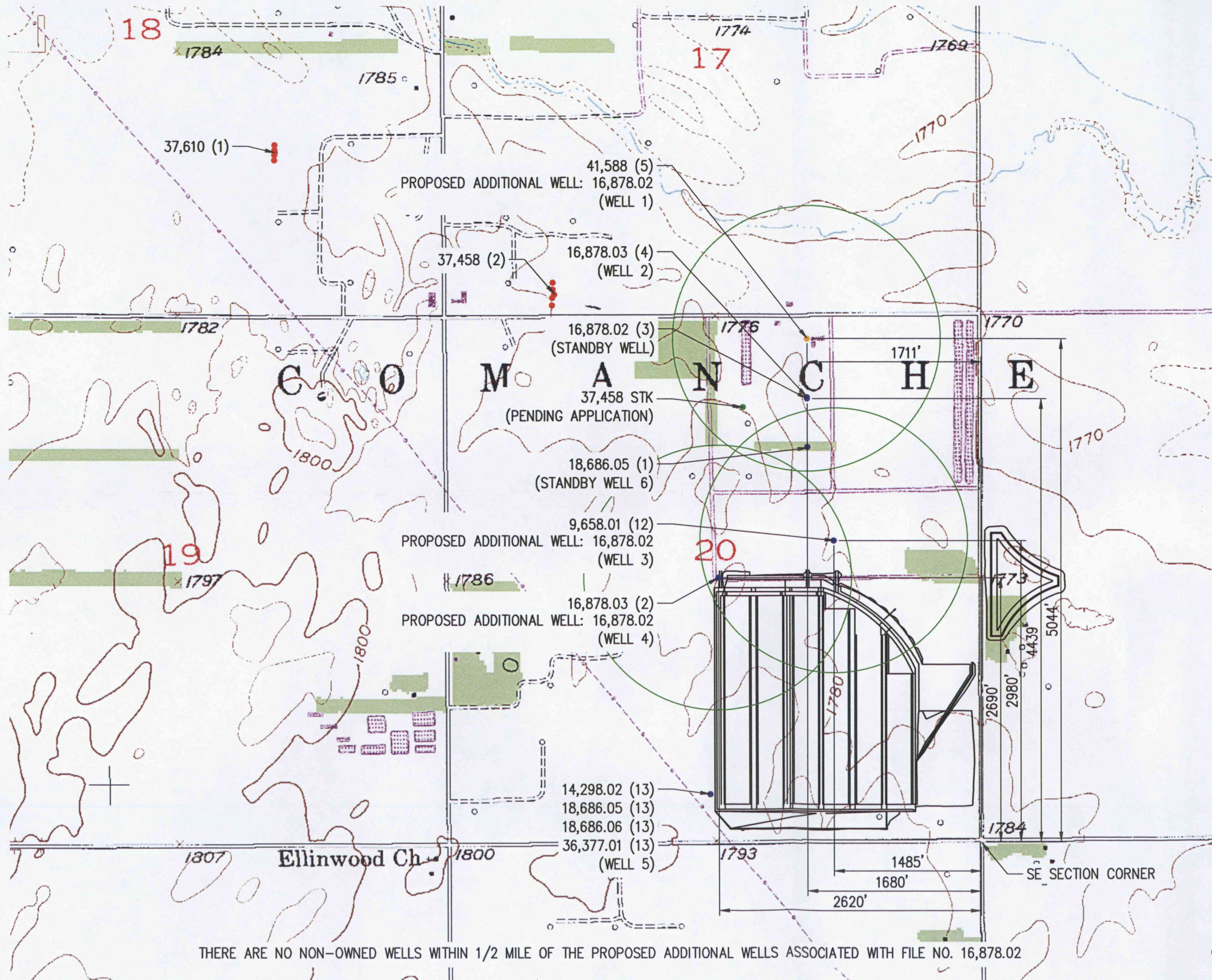
1700 E. IRON
 SALINA, KANSAS 67401
 (785) 823-0097
 1303 YUCCA STREET
 SCOTT CITY, KANSAS 67871
 (620) 872-2300



CAD FILE NAME:
 16878.02 WATER RIGHTS MAP.DWG

SHEET NO. 1 OF 2

WELL LOCATIONS



- LEGEND**
- POINT OF DIVERSION (STK)
 - POINT OF DIVERSION (IRR)
 - POINT OF DIVERSION (IND)
 - POINT OF DIVERSION (PENDING APPLICATION-STK)
 - BOUNDARY OF 1,320-FOOT SPACING AROUND PROPOSED ADDITIONAL WELL

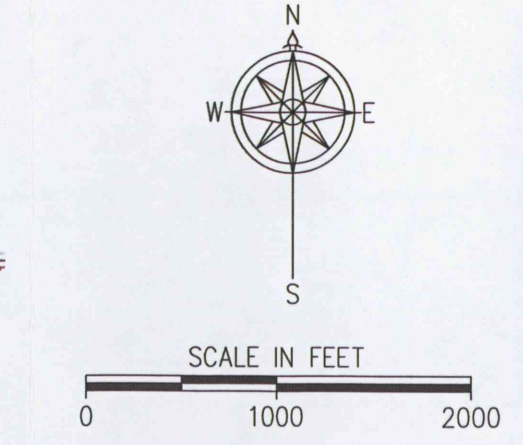
FILE NO. 41,588 (5) (WELL 1) DWR ID

FACILITY WELL ID

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DATE	DATE	DATE
12/17	12/17	12/17

BARTON COUNTY FEEDERS, INC

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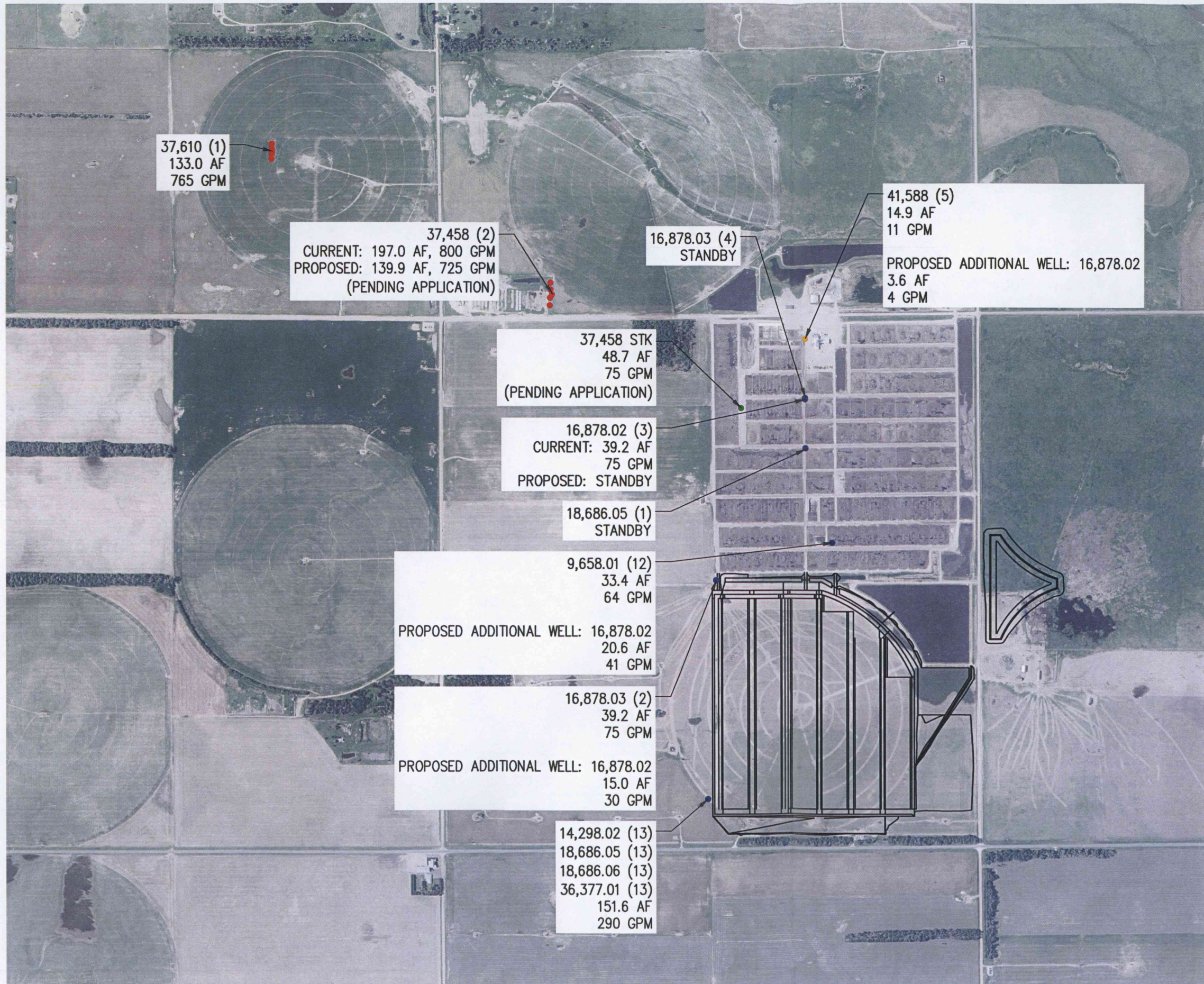
1303 YUCCA STREET
 SCOTT CITY, KANSAS 67871
 (620) 872-2300

KLA
 ENVIRONMENTAL SERVICES, INC.

CAD FILE NAME:
 16878.02 WATER RIGHTS MAP.DWG

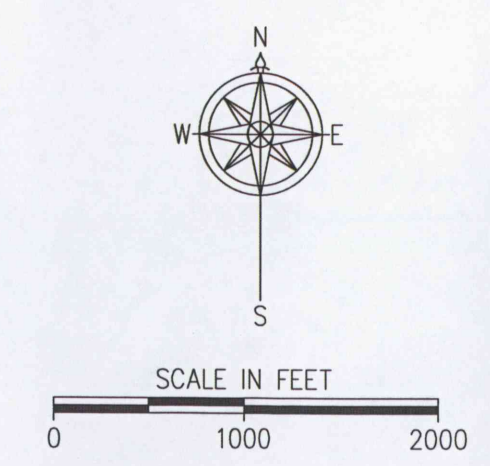
SHEET NO. 2 OF 2

WELL LOCATIONS



- ### LEGEND
- POINT OF DIVERSION (STK)
 - POINT OF DIVERSION (IRR)
 - POINT OF DIVERSION (IND)
 - POINT OF DIVERSION (PENDING APPLICATION-STK)

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		12/17
		12/17

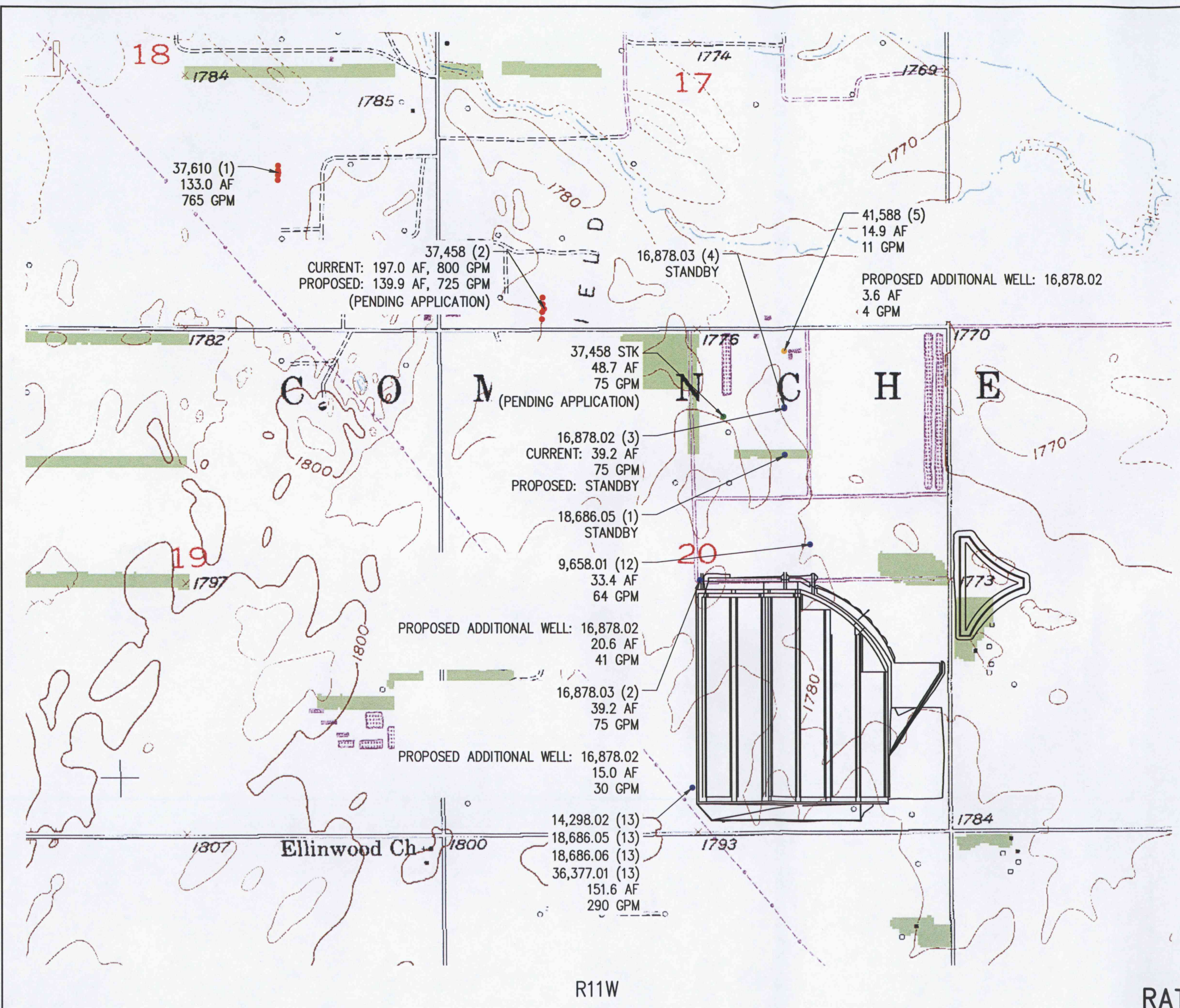
BARTON COUNTY FEEDERS, INC
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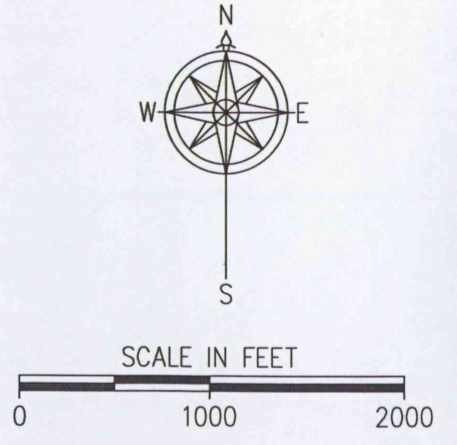
RATE & QUANTITY MAP



- LEGEND**
- POINT OF DIVERSION (STK)
 - POINT OF DIVERSION (IRR)
 - POINT OF DIVERSION (IND)
 - POINT OF DIVERSION (PENDING APPLICATION-STK)

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APPROVED	FCM	DATE	12/17

BARTON COUNTY FEEDERS, INC

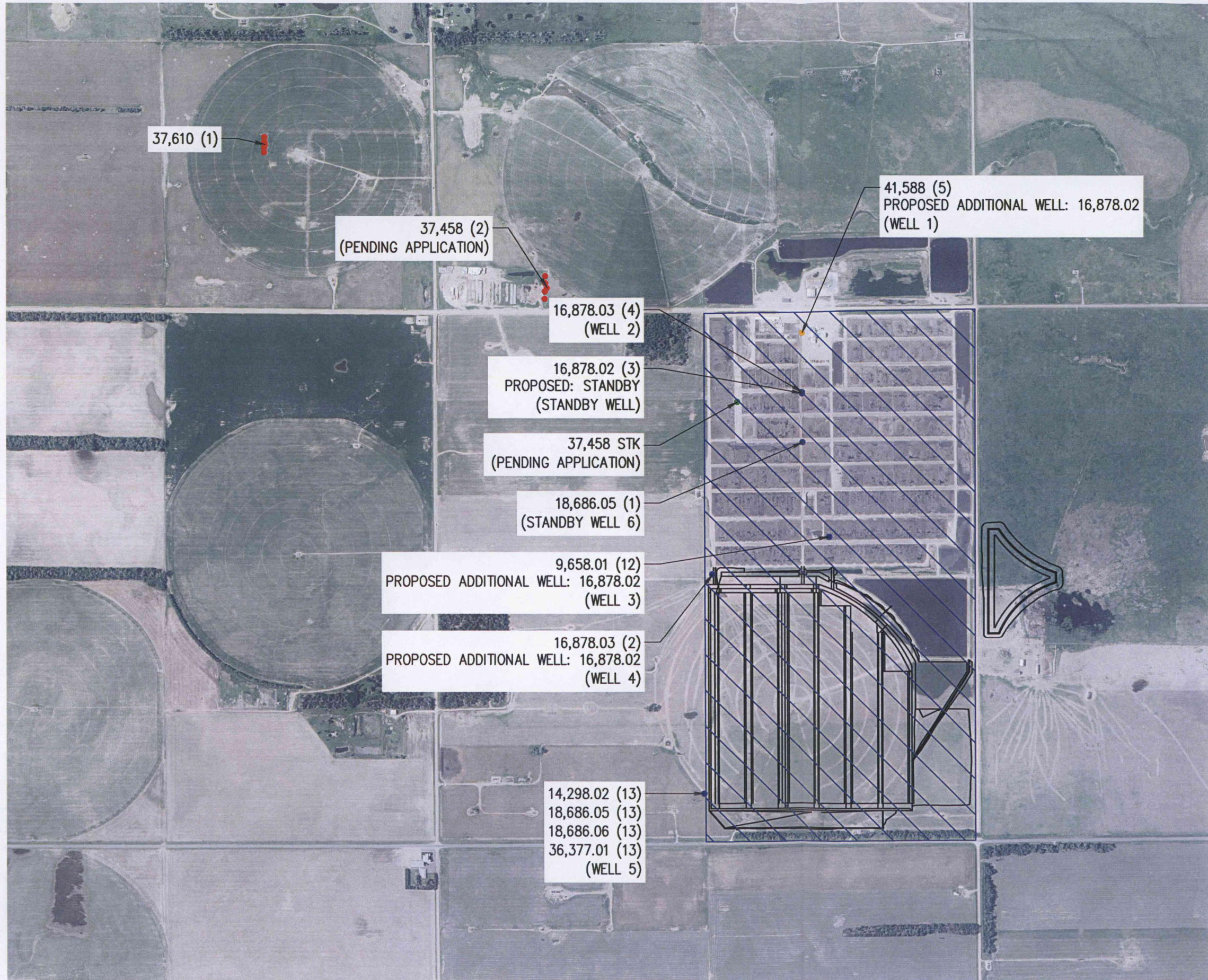
WATER RIGHT CHANGE APPLICATION - FILE NO. 16,878.02
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RATE & QUANTITY MAP



37,610 (1)

37,458 (2)
(PENDING APPLICATION)

41,588 (5)
PROPOSED ADDITIONAL WELL: 16,878.02
(WELL 1)

16,878.03 (4)
(WELL 2)

16,878.02 (3)
PROPOSED: STANDBY
(STANDBY WELL)

37,458 STK
(PENDING APPLICATION)

18,686.05 (1)
(STANDBY WELL 6)

9,658.01 (12)
PROPOSED ADDITIONAL WELL: 16,878.02
(WELL 3)

16,878.03 (2)
PROPOSED ADDITIONAL WELL: 16,878.02
(WELL 4)

14,298.02 (13)
18,686.05 (13)
18,686.06 (13)
36,377.01 (13)
(WELL 5)

LEGEND

- POINT OF DIVERSION (STK)
- POINT OF DIVERSION (IRR)
- POINT OF DIVERSION (IND)
- POINT OF DIVERSION (PENDING APPLICATION-STK)

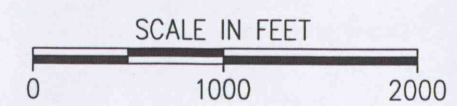
PLACE OF USE - STOCKWATER (CURRENT AND PROPOSED)

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BARTON COUNTY FEEDERS, INC
 WATER RIGHT CHANGE APPLICATION - FILE NO. 16,878.02
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 (785) 823-0097
 1303 YUCCA STREET
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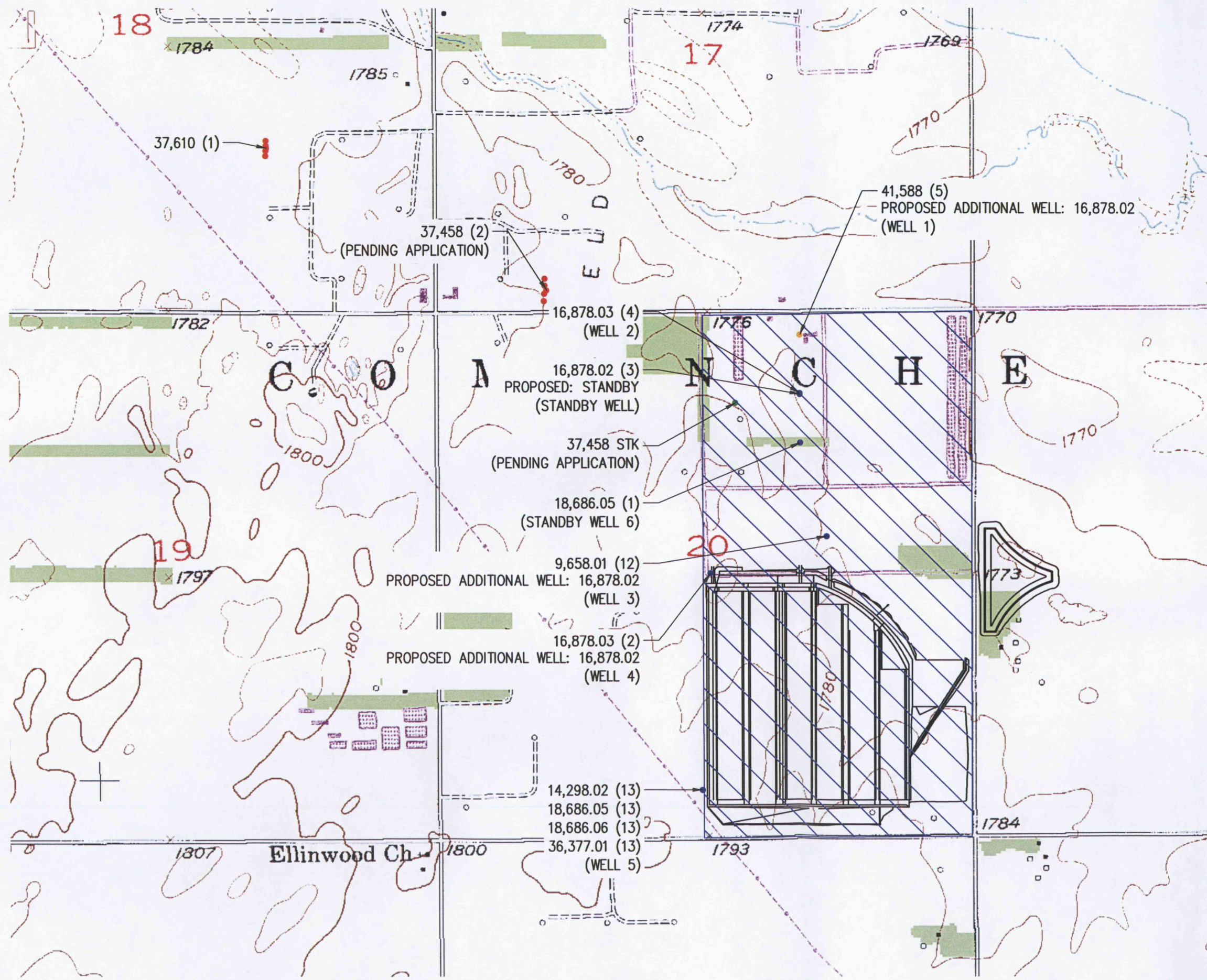


CAD FILE NAME:
 16878.02 WATER RIGHTS MAP.DWG

SHEET NO. 1 OF 2

R11W

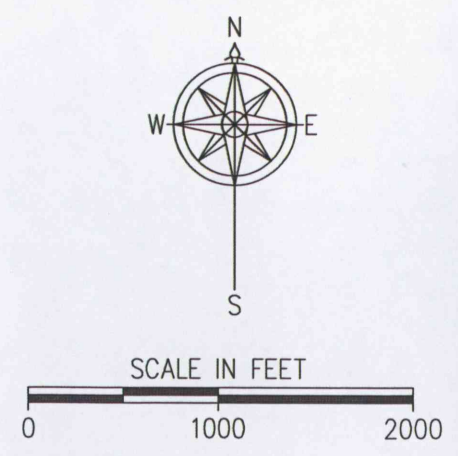
FILE NO. 16,878.02 PLACE OF USE



- LEGEND**
- POINT OF DIVERSION (STK)
 - POINT OF DIVERSION (IRR)
 - POINT OF DIVERSION (IND)
 - POINT OF DIVERSION (PENDING APPLICATION-STK)
- ▨ PLACE OF USE - STOCKWATER (CURRENT AND PROPOSED)

T20S

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		12/17
		12/17

BARTON COUNTY FEEDERS, INC

WATER RIGHT CHANGE APPLICATION - FILE NO. 16,878.02
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BARTON COUNTY, KANSAS

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SAJINA, KANSAS 67401
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SCOTT CITY, KANSAS 67871
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ENVIRONMENTAL
SERVICES, INC.

CAD FILE NAME:
16878.02 WATER RIGHTS MAP.DWG

SHEET NO. 2 OF 2

R11W

FILE NO. 16,878.02 PLACE OF USE