

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

WATER RESOURCES RECEIVED

File Number 49735  
This item to be completed by the Division of Water Resources.

WATER RESOURCES RECEIVED

MAR 15 2017

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

DEC 01 2016

Filing Fee Must Accompany the Application

(Please refer to Fee Schedule attached to this application form.)

1:47

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To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,  
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): JOHN E. DUGAN FAMILY PARTNERSHIP LP  
Address: 15810 W 47TH SOUTH  
City: CLEARWATER State KS Zip Code 67026  
Telephone Number: (316) 259-7282

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in NINNESCAH RIVER (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 169 acre-feet OR \_\_\_\_\_ gallons per calendar year,  
to be diverted at a maximum rate of 800 gallons per minute OR \_\_\_\_\_ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):

- (a)  Artificial Recharge
- (b)  Irrigation
- (c)  Recreational
- (d)  Water Power
- (e)  Industrial
- (f)  Municipal
- (g)  Stockwatering
- (h)  Sediment Control
- (i)  Domestic
- (j)  Dewatering
- (k)  Hydraulic Dredging
- (l)  Fire Protection
- (m)  Thermal Exchange
- (n)  Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:

F.O. 2 GMD 0 Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source G/S County SG By KAB Date 12/1/16  
Code REA Fee \$ 300 TR # \_\_\_\_\_ Receipt Date 12/1/16 Check # 1007

SCANNED

12/5/2016 LHM

TEST HOLES WILL BE DRILLED IN THE 1/4 SECTION  
TO DETERMINE WELL LOCATIONS.

File No. \_\_\_\_\_

5. The location of the proposed wells, pump sites or other works for diversion of water is:

**Note:** For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the NW quarter of the NE quarter of the NE quarter of Section 13, more particularly described as being near a point 4750 feet North and 1320 feet West of the Southeast corner of said section, in Township 29 South, Range 1 East/West (circle one), SEDGWICK County, Kansas.
- (B) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section \_\_\_\_\_, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township \_\_\_\_\_ South, Range \_\_\_\_\_ East/West (circle one), \_\_\_\_\_ County, Kansas.
- (C) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section \_\_\_\_\_, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township \_\_\_\_\_ South, Range \_\_\_\_\_ East/West (circle one), \_\_\_\_\_ County, Kansas.
- (D) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section \_\_\_\_\_, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township \_\_\_\_\_ South, Range \_\_\_\_\_ East/West (circle one), \_\_\_\_\_ County, Kansas.

Center point

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

\_\_\_\_\_  
(name, address and telephone number)

\_\_\_\_\_  
(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 11-28, 2016. John W Dugan  
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of BATTERY OF 4 WELLS  
(number of wells, pumps or dams, etc.)  
and (was) will be completed (by) Dec 31 2017  
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be MAY 2017  
(Mo/Day/Year)

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9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?

Yes  No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources?  Yes  No

If yes, show the Water Structures permit number here \_\_\_\_\_

If no, explain here why a Water Structures permit is not required \_\_\_\_\_

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

(a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.

(b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.

(c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.

(d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.

(e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

NONE

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TEST HOLES WILL BE DRILLED TO DETERMINE LOCATION IN THE 1/4 SECTION.

File No. \_\_\_\_\_

- 13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from:  Test holes  Well as completed  Drillers log attached

Table with 5 columns: Well location as shown in paragraph No., (A), (B), (C), (D). Rows include Date Drilled, Total depth of well, Depth to water bearing formation, Depth to static water level, and Depth to bottom of pump intake pipe.

- 14. The relationship of the applicant to the proposed place where the water will be used is that of

OWNER (owner, tenant, agent or otherwise)

- 15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

\_\_\_\_\_ (name, address and telephone number)

\_\_\_\_\_ (name, address and telephone number)

- 16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at ~~11-28-2016~~, Kansas, this 28 day of November, 2016 (month) (year)

Clearwater

John W. Negan (Applicant Signature)

By \_\_\_\_\_ (Agent or Officer Signature)

\_\_\_\_\_ (Agent or Officer - Please Print)

Assisted by BRAD VINCENT GROUND WATER ASSO. Date: 23 NOV 2016 (office/title)

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(A)



14 Feb 2017

John Dugan  
TH 2-17

740' S & 1320' W of NE cor. of Section 13, T29S, R1W      Elevation 1285'  
(580' N of TW 1-17) GPS N 37° 31.988' W 97° 22.457'  
Est. SWL 30' @ GL

0 - 2'	Top Soil
2 - 11	Clay gy & br
11 - 22	Sand br f - c , gravel f - c, loose
22 - 24	Clay gy, sandy
24 - 27	Clay yel
21 - 24	Clay tan
27 - 30	Sand tan, vf - f, so. m
30 - 35	Sand tan, f - c, so. gravel f
35 - 50	Sand tan, f - c, gravel, f - c
50 - 63	Sand tan, vf - c, so. gravel & pebbles (clay yel 63 - 63.25)
63 - 75	Sand tan, f - c, gravel, f - c, loose
75 -	Shale gn

Plug 75' - 0 bentonite hp

Logged by Brad Vincent, Ground Water Associates  
GPS handheld. Datum: 1927 North American Conus

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(B)



14 Feb 2017

John Dugan  
TH 3-17

320' S & 1320' W of NE cor. of Section 13, T29S, R1W      Elevation 1285'  
(420' N of TH 2-17)    GPS N 37° 32.061' W 97° 22.458'  
Est. SWL 30' @ GL

0 - 2'	Top Soil
2 - 12	Clay br
12 - 14	Clay br, sandy
14 - 20	Sand br f - m
20 - 27	Sand tan vf - c
27 - 30	Sand tan vf - c, clay tan (25 to 30%)
30 - 37	Sand tan, vf - c, so. gravel f-m
37 - 43	Sand tan, f - c, gravel f - c
43 - 58	Sand tan, f - c, gravel, f - c, so. clay streaks
58 - 61	Sand tan, f - c, gravel f - m, loose
61 - 68	Sand tan, f - c, gravel, f - c
68 - 73	Shale yel, weathered
73	Shale gy, hard

Plug 73' - 0 bentonite hp

Logged by Brad Vincent, Ground Water Associates  
GPS handheld. Datum: 1927 North American Conus

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# TO VERIFY STATIC WATER LEVEL

13 Feb 2017

John Dugan  
TW 1-17

1320' S & 1320' W of NE cor. of Section 13, T29S, R1W  
GPS N 37° 31.897' W 97° 22.457'

Elevation 1285'

SWL 29.65' @ GL

0 - 2'	Top Soil
2 - 5	Clay br
5 - 6	Clay gy & br
6 - 12	Clay br
12 - 21	Sand br, f-c, so. gravel f- m, pebbles
21 - 24	Clay tan
24 - 28	Sand tan, vf - m, clay streaks, loose
28 - 35	Sand tan, f - c, so. gravel, f-m
35 - 41	Sand tan, f - c, so. gravel, f - c
41 - 46	Sand rusty br, f - c, so. gravel, f - c, pebbles
46 - 61	Sand tan, f - c, so. gravel, f - m
61 - 64	Sand tan, f - c, gravel f - c
64 - 67	Shale, yel, weathered
67 - 68	Shale, yel/gy
68	Shale, gy

Set 5 "PVC- 0.032" slot screen 64' - 44'. Gravel pack to 20'. HP 20 - 0

Logged by Brad Vincent, Ground Water Associates  
GPS handheld. Datum: 1927 North American Conus

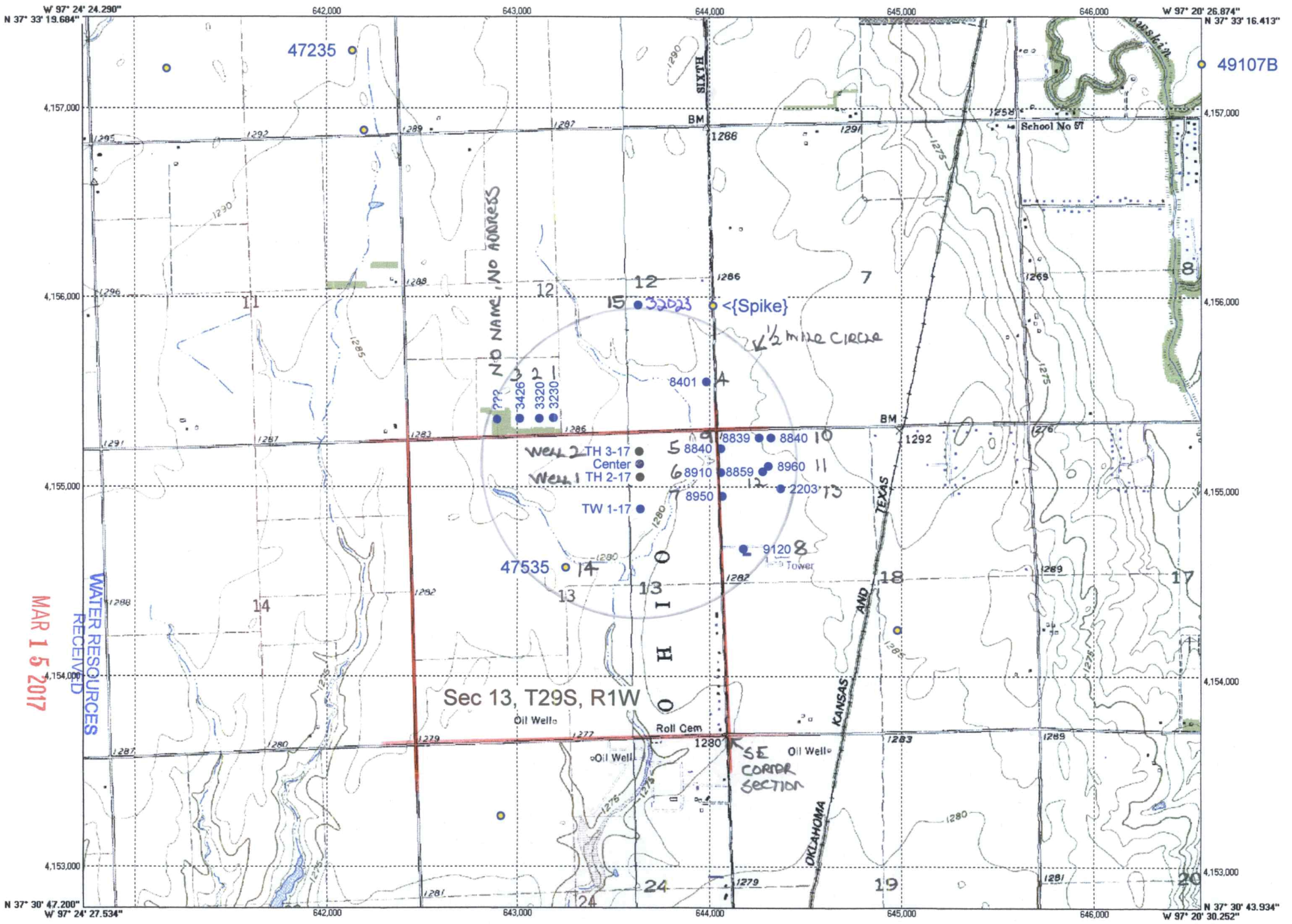
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Well or possible Wells within 1/2 mile

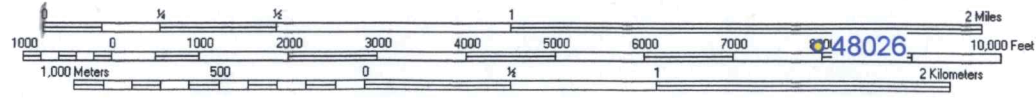
DuganSec13



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1927 North American Datum; 1,000-meter UTM grid zone 14  
Generated by BigTopo (www.igage.com)  
Map compiled from USGS Quads: Bayneville; KS Derby; KS

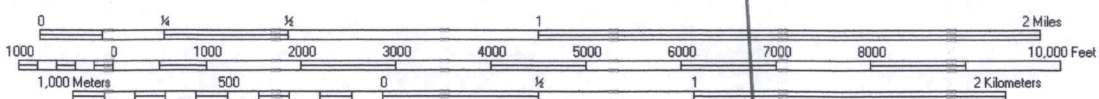
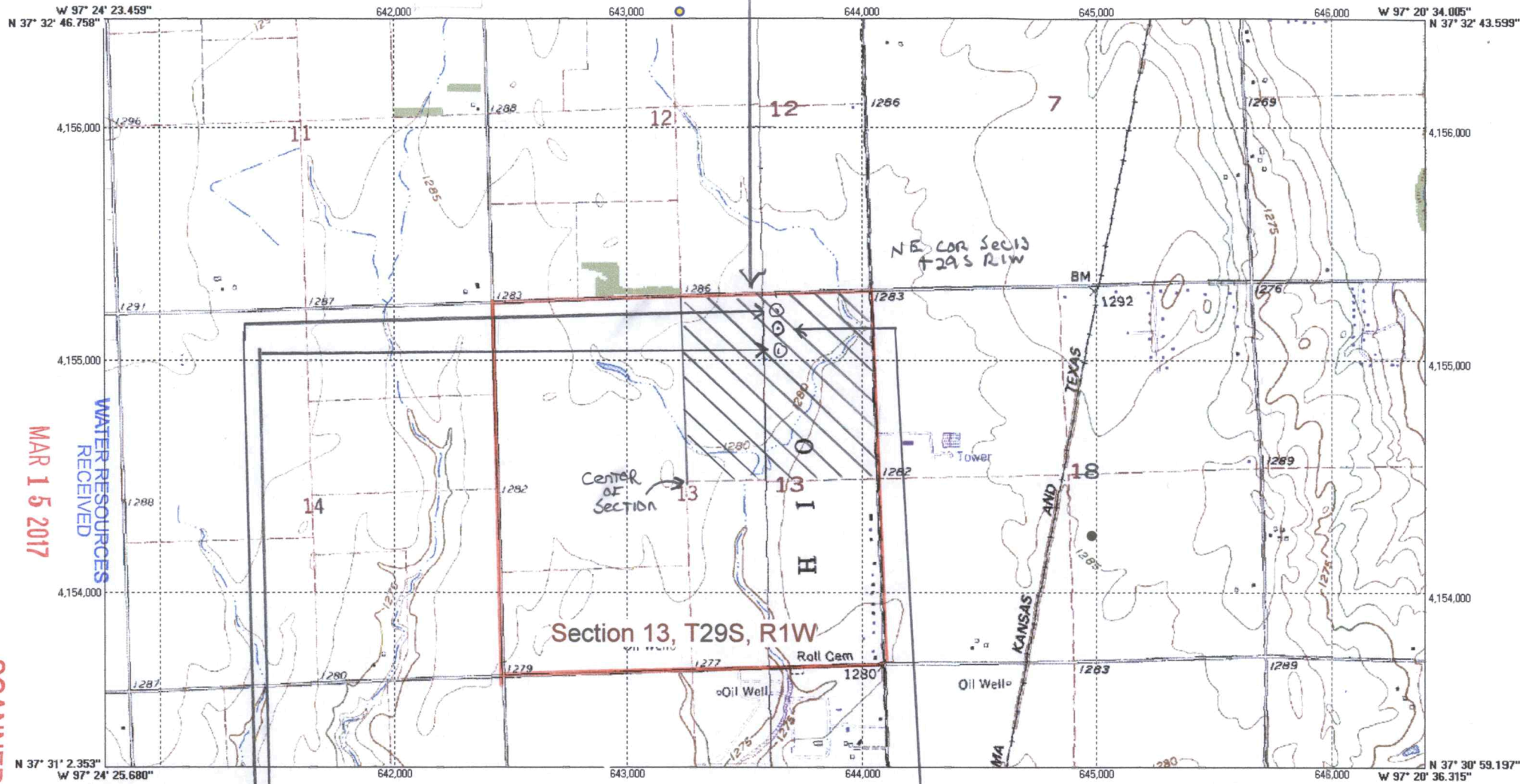


John Dugan



130 ACRE PIVOT-PLACE OF USE

bigtopo.Dugan.J



Well 1 4540' N + 1320' W OF SE COR Sec 13  
 Well 2 4960' N + 1320' W OF SE COR Sec 13

Center point 4750' N + 1320' W OF SE cor Sec 13

1927 North American Datum; 1,000-meter UTM grid zone 14  
 Generated by BigTopo (www.igage.com)  
 Map compiled from USGS Quads: Bayneville, KS Derby, KS

John Dugan

ALL WELLS OR POSSIBLE WELL WITHIN 1/2 MILE OF CENTER POINT HAVE BEEN LOCATED ON SEPARATE INCLUDED MAP. *Bred Vincent*  
 WELL LOCATION WITHIN 1/2 MILE WILL BE MARKED WHEN THE WELL LOCATIONS ARE DETERMINED.

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Wells or possible within 1/2 mile

- 1 Bobby & Cecile Lewis Trust  
P.O. Box 362  
3230 W. 87<sup>th</sup> St. S  
Haysville, Ks 67060
- 2 Andrew J. Pechanec  
3320 W. 87<sup>th</sup> St. S  
Haysville, Ks 67060
- 3 Tony W. & Janice L. Tamson  
3426 W. 87<sup>th</sup> St. S  
Haysville, Ks 67060
- 4  
15 Bruce C. Bergmann  
8401 S. Meridian Ave.  
Haysville, Ks 67060
- 5 William J & Peggy J. Brasca  
8840 S. Meridian Ave.  
Haysville, Ks 67060
- 6 Robert J. & Carol A. Schmitz  
8910 S. Meridian Ave.  
Haysville, Ks 67060
- 7 Virginia Franz  
8950 S. Meridian Ave.  
Haysville, Ks 67060
- 8 Southern Star Central Gas Pipeline  
9120 S. Meridian Ave.  
Haysville, Kansas 67060
- 9 Ronald Lee & Sheila J. Rooker  
8839 S. Champion St.  
Haysville, Ks 67060
- 10 David Anderson  
8840 S. Champion St.  
Haysville, Ks 67060

DOMESTIC

+ IRRIGATION

INDUSTRIAL

DOMESTIC

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11 Wilburn L. Jr. & Dianne  
P.O. Box 272  
8960 S. Champion St.  
Haysville, Ks 67060

DOMESTIC

12 Dale R. Jr & Linda A. England  
8959 S. Champion St.  
Haysville, Ks 67060

13 Eric R. Johnson  
2203 W. Reay St.  
Haysville, Ks 67060

14 Robert D Hay Trust  
9171 S. West Street  
Haysville, Ks 67060

IRRIGATION

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**IRRIGATION USE  
SUPPLEMENTAL SHEET**

File No. 49735

Name of Applicant (Please Print): JOHN E. DUGAN FAMILY

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

**Landowner of Record** NAME: JOHN E. DUGAN FAMILY  
ADDRESS: 15810 W. 47TH SOUTH, CLEARWATER KS 67026

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13	295	1w	32½	32½	32½	32½													130

**Landowner of Record** NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

**Landowner of Record** NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	SLOPE	Intake Rate (in/hr)	Irrigation Design Group
BLANKET SILT Loame	62.5	0-1%		
BLANKET SILT Loame	22.7	1-3%		
TABLER SILTY CLAY Loame	14.8	0-1%		
Total:	100 %			

b. Estimate the average land slope in the field(s): 1 %

Estimate the maximum land slope in the field(s): 3 %

c. Type of irrigation system you propose to use (check one):

Center pivot       Center pivot - LEPA       "Big gun" sprinkler

Gravity system (furrows)       Gravity system (borders)       Sideroll sprinkler

Other, please describe: \_\_\_\_\_

d. System design features:

i. Describe how you will control tailwater:

ii. For sprinkler systems: NO SYSTEM BOUGHT YET.

(1) Estimate the operating pressure at the distribution system: \_\_\_\_\_ psi

(2) What is the sprinkler package design rate? \_\_\_\_\_ gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? \_\_\_\_\_ feet

(4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

WHEAT SOY BEANS, CORN

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

You may attach any additional information you believe will assist in informing the Division of the need for your request.

2-28-17  
(Date)

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

Re: Application  
File No. 49,735

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

[Handwritten Signature]  
Signature of Applicant

John W Dugar  
(Print Applicant's Name)

State of Kansas )  
County of Sedgwick ) ss )

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 28 day of February, 2017.



[Handwritten Signature]  
Notary Public

My Commission Expires:  
April 18, 2017

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