

Kansas Department of Agriculture
 Division of Water Resources
PERMIT OF NEW APPLICATION WORKSHEET

1. File Number: <p style="text-align: center;">49,601</p>	2. Status Change Date: <p style="text-align: center;">8/9/2017</p>	3. Field Office: <p style="text-align: center;">02</p>	4. GMD: <p style="text-align: center;">02</p>
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5. Status: Approved Denied by DWR/GMD Dismiss by Request/Failure to Return

6. Enclosures: Check Valve N of C Form Water Tube Driller Copy Meter

<p>7a. Applicant(s) Person ID 59218 New to system <input type="checkbox"/> Add Seq# 1</p> <p>MATT BRACK 4001 E AVENUE G HUTCHINSON KS 67501-8280</p>	<p>7c. Landowner(s) Person ID 65482 New to system <input type="checkbox"/> Add Seq# 1</p> <p>KIM E BRACK 4745 SW FAIRLAWN RD TOPEKA KS 66610</p>
<p>7b. Landowner(s) Person ID 54904 New to system <input type="checkbox"/> Add Seq# 1</p> <p>HAROLD E SWANSON TRUST ET AL 5500 E AVE G HUTCHINSON KS 67501</p>	<p>7d. Landowner Person ID _____ New to system <input type="checkbox"/> Add Seq# _____</p>

<p>8. WUR Correspondent Person ID 59218 New to system <input type="checkbox"/> Add Seq# 1 Overlap File (s) WUC _____ <input type="checkbox"/> Notarized WUC Form _____ Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>MATT BRACK 4001 E AVENUE G HUTCHINSON KS 67501-8280</p>	<p>9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____</p>
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10. Completion Date: 12/31/2018 11. Perfection Date: 12/31/2022 12. Exp Date: _____

13. Conservation Plan Required? Yes No Date Required: _____ Date Approved: _____ Date to Comply: _____

14. Water Level Measuring Device? Yes No Date to Comply: _____ Date WLMD Installed: _____

Date Prepared: **08/07/2017** By: **RAK**
 Date Entered: **8/10/2017** By: **LEM**

File No. **49,601** 15. Formation Code: **190** **Drainage Basin: COW CREEK (PLEASE CHANGE)** County: **RN** Special Use: Stream:

16. Points of Diversion										17. Rate and Quantity					
MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Authorized		Additional		Overlap PD Files
											Rate gpm	Quantity af	Rate gpm	Quantity af	
MOD				SW¼ SW¼ SW¼	27	23S	5W	14	326	4754	800 g.p.m.	317.8 AF	0	317.8	47585
				PD COMMENT											
ENT				SW¼ SW¼ SW¼	27	23S	5W	9	124	4955					47585
				PD COMMENT											
DEL				SW¼ SW¼ SW¼	27	23S	5W	15	124	4955					NO
				PD COMMENT											
ENT				SE¼ SW¼ SW¼	27	23S	5W	12	128	4552					47585
				PD COMMENT											
DEL				SE¼ SW¼ SW¼	27	23S	5W	16	128	4552					NO
				PD COMMENT											
MOD				SW¼ SW¼ SW¼	27	23S	5W	17	524	4955					47585
				PD COMMENT											
MOD				SE¼ SW¼ SW¼	27	23S	5W	18	528	4552					47585
				PD COMMENT											

Battery ID# 2038

18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

19. **ADD** Limitation: _____ af/yr at **800** gpm (_____ cfs) when combined with file number(s) **47585**
 Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

20. Meter Required? Yes No To be installed by **12/31/2018** Date Acceptable Meter Installed _____

21. Place of Use										NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
MOD	DEL	ENT	PUSE	S	T	R	ID	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼						
ENT				27	23S	5W		26-	15-	32-	32-	30-	26-	32-	34-										227-	7b & 7c	yes	NO	
DEL				61631	27	23S	5W	2				30-	26-	32-	34-	26-	15-	32-	32-						227-				

Comments: **NOTE - FILE NOS 47585 and 49601 overlap in the authorized PD but not the PU**
SPECIAL CONDITIONS Y SEE FILE FOR DETAILS

Reno County Property Data

General Information

Monday August 7 2017 4:45:56 PM

Subject Property

[Print](#)

[Click here to locate on Map](#)

[Click here for the photo](#)

[Click here for the PRC](#)

Parcel ID : 0781382700000003000

Owner Name : SWANSON, HAROLD E TRUST

Location : 00000 E BLANCHARD AVE, Hutchinson, KS 67501.

Legal Desc : CLAY TOWNSHIP, S27, T23, R05W, ACRES 144.9, NW/4 LESS RDWY R/W EXC HWY R/W.

The legal description displayed above is not adequate for use in legal documents

Owner Information

Owner :

SWANSON, HAROLD E TRUST
SWANSON, HAL E
SWANSON, HAROLD E & DONNA J TRUST NO 2
BRACK, KIM E
SWANSON, GUY S TRUST

Mailing Address :

5500 E AVENUE G HUTCHINSON, KS 67501-8264
5500 E AVENUE G HUTCHINSON, KS 67501-8264
5500 E AVENUE G HUTCHINSON, KS 67501-8264
4745 SW FAIRLAWN RD TOPEKA, KS 66610
5500 E AVENUE G HUTCHINSON, KS 67501-8264

Property Details

Property Type :
Agricultural Use

Property Status :
Active

Taxing Unit :
157

Neighborhood Code :
056.2

Tract / Tax ID :
See Tax History

Market Land Details

Actual Width :

Eff Width :

Eff Depth :

Acres :

Square Feet :

No Property Outbuildings or Improvements found.

No Permit Details found.

Value Details

Year :	2017
Land :	\$21,830
Building :	\$0
Total :	\$21,830

Deed Book/Page Historical

Book / Page List and Misc Legal Description Info :
Book/Page 472/ 634 453/ 336 481/ 448 581/ 316 589/ 499 06PR/ 38

Deed Book/Page Current Listing

Date :	Book :	Page :	Case :
1/27/2011	616	24	
11/5/2009	608	301	

No Sale Details found. (Please log in to view this data.)

Reno County Property Data

General Information

Monday August 7 2017 4:38:53 PM

Subject Property

[Print](#)

[Click here to locate on Map](#)

[Click here for the photo](#)

[Click here for the PRC](#)

Parcel ID : 0781382700000001000

Owner Name : SWANSON, HAROLD E TRUST

Location : 00000 S OBEE RD, Hutchinson, KS 67501.

Legal Desc : CLAY TOWNSHIP, S27, T23, R05W, ACRES 134.8, NE/4 EXC TR BEG S 78.76FT S OF NE COR W/2 NE/4 TH S 536.74FT TH W 656.86FT TH N 566.68FT TH E 656.46FT TO POB EXC HWY R/W.

The legal description displayed above is not adequate for use in legal documents

Owner Information

Owner :

SWANSON, HAROLD E TRUST

SWANSON, HAL E

BRACK, KIM E

SWANSON, GUY S TRUST

SWANSON, HAROLD E & DONNA J TRUST NO 2

Mailing Address :

5500 E AVENUE G HUTCHINSON, KS 67501-8264

5500 E AVENUE G HUTCHINSON, KS 67501-8264

4745 SW FAIRLAWN RD TOPEKA, KS 66610

5500 E AVENUE G HUTCHINSON, KS 67501-8264

5500 E AVENUE G HUTCHINSON, KS 67501-8264

Property Details

Property Type :

Agricultural Use

Property Status :

Active

Taxing Unit :

157

Neighborhood Code :

056.2

Tract / Tax ID :

See Tax History

Market Land Details

Actual Width :

Eff Width :

Eff Depth :

Acres :

Square Feet :

No Property Outbuildings or Improvements found.

No Permit Details found.

Value Details

Year :

2017

Land :

\$14,560

Current Final Value (Agricultural) :

Building :

\$0

Total :

\$14,560

Deed Book/Page Historical

Book / Page List and Misc Legal Description Info :

Book/Page 331/ 345 505/ 454 582/ 311 589/ 497 589/ 499 06PR/ 38 596/ 441 596/ 442

Deed Book/Page Current Listing

Date :

1/27/2011

Book :

616

Page :

24

Case :

11/5/2009

608

301

No Sale Details found. (Please log in to view this data.)

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources
MEMORANDUM

TO: Files
FROM: Richelle A. Krueger

DATE: August 8, 2017
RE: Application, File No. 49,601
Change Application, File No. 47,585

Matt Brack filed the referenced application to appropriate groundwater for irrigation use, requesting a quantity of 317.8 acre-feet and a limited diversion rate of 800 gallons per minute. The proposed point of diversion will be a battery of four (4) wells with a geographic center located 326 feet North and 4,754 feet West of the Southeast corner of Section 27, Township 23 South, Range 5 West, Reno County within the drainage basin of Cow Creek (Not Arkansas River as shown in WRIS & application). The proposed point of diversion will overlap the geocenter of the battery proposed for File No. 47,585 by a change in point of diversion application filed by Mr. Brack. No overlaps in the authorized places of use are proposed for the referenced files. The proposed acreage is owned by Harold E. Swanson Trust, Hal E. Swanson, Kim E. Brack, Guy S. Swanson Trust, and Harold E. and Donna J. Swanson Trust No. 2. File No. 49,601 will be limited to 800 gallons per minute when combined with File Nos. 47,585.

The referenced change application is not abandoned pursuant to K.S.A. 82a-718 and the perfection period for File Nos. 47,585 expired on December 31, 2016. The same local source of supply will not change for either file. The proposed change in point of diversion involves a move of approximately 200 feet from the presently authorized geocenter.

WRIS indicates two batteries of irrigation wells authorized by Appropriation of Water, File Nos. 46,220 and 47,942 and three domestic wells within one-half mile of the proposed geocenter. The nearby well owners were notified of the referenced applications by letters dated June 8, 2016; no responses have been received as of today's date.

In letters dated February 6, 2017 with attachments, received May 18, 2017, Equus Beds Groundwater Management District No. 2 recommended the referenced applications be approved and indicated that the applications comply with K.A.R. 5-22-1 through K.A.R. 5-22-17. File No. 49,601 was recommended contingent upon the approval of the change application for File No. 47,585; the maximum rate is limited to 800 g.p.m. when combined with File No. 47,585; and provided the water meter for File No. 49,601 is installed in a manner so it only measures the water applied to the place of use of File 49,601, and metered separately from the place of use authorized by File No. 47,585.

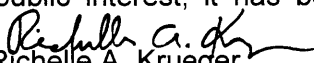
The total quantity available for irrigation use by File No. 49,601, 317.8 acre-feet, will irrigate the proposed 227 acres with 1.4 acre-feet per acre and is the maximum reasonable quantity allowed pursuant to K.A.R 5-3-24 in Reno County.

No test hole log was submitted with the pending new application. The source of supply was previously determined to be Equus Beds (190).

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed. A water level measurement tube is required. The applicant signed, notarized, and returned a minimum desirable streamflow form to our office.

In an August 3, 2017 e-mail, Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the referenced applications.

Based on the above discussion, safe yield criteria are met, approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it has been recommended that the referenced applications be approved.


Richelle A. Krueger
Environmental Scientist

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

August 11, 2017

HAROLD E SWANSON TRUST ETAL
5500 E AVE G
HUTCHINSON KS 67501

FILE COPY

RE: Appropriation of Water, File Nos. 47,585 and 49,601

Dear Sir or Madam:

There is enclosed a permit (File No. 49,601) to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the location specified in the permit, and to use it for the purpose and at the location described in the permit.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this permit. Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed.

Acceptable water flow meters must be installed on the diversion works in such a manner that the quantity of water perfected by File No. 49,601 may be readily determined. The water flow meter must be installed in a manner so that it only measures the water applied to the place of use authorized by File No. 49,601, and is metered separately from the place of use authorized by Appropriation of Water, File No. 47,585. Please contact Jeff Lanterman, Water Commissioner of the Stafford Field Office, at (620) 234-5311 prior to construction of the diversion works to discuss how the referenced battery of wells should be metered.

All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right.

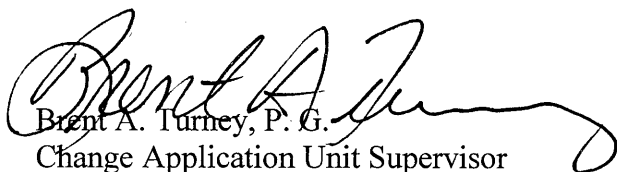
(OVER→)

In addition, enclosed is the order executed by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under Appropriation of Water, File No. 47,585. Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that acceptable water flow meters must be installed on the diversion works authorized under the referenced file numbers. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Please be reminded that reports of water usage must be submitted to this office annually. Records indicating the amount of water used should be furnished to the Chief Engineer by March 1 following the end of the previous calendar year so that the continued use of water becomes a matter of record in this office. The owner, or his or her legally designated agent, is held responsible for submitting annual water use reports. Failure to file an accurate water use report is a violation of law which makes you subject to civil penalties.

If you have any questions, please contact this office. If you call, please reference the file number so we can help you more efficiently.

Sincerely,


Brent A. Turney, P. G.
Change Application Unit Supervisor

BAT:rak

pc: Stafford Field Office
Groundwater Management District No. 2
Matt and Valerie Brack
Kim Brack



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

**APPROVAL OF APPLICATION
and
PERMIT TO PROCEED**
(This is not a Certificate of Appropriation)

This is to certify that I have examined Application File No. **49,601** of the applicant

**MATT BRACK
4001 E AVENUE G
HUTCHINSON KS 67501-8280**

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **March 28, 2016**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
27	23S	5W	26.00	15.00	32.00	32.00	30.00	26.00	32.00	34.00									227.00

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW¼ SW¼ SW¼) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas, located substantially as shown on the map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute (1.78 c.f.s.)** and to a quantity not to exceed **317.80 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2018** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2022** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with the Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year). **The water flow meter must be installed in a manner so that it only measures the water applied to the place of use authorized by File No. 49,601, and is metered separately from the place of use authorized by Appropriation of Water, File No. 47,585.**

14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

16. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

17. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

18. That this permit is further limited such that the four (4) wells shall be located within a three hundred (300) foot radius circle, in the same local source of supply, and shall be limited to a maximum diversion rate of four hundred (400) gallons per minute (0.89 c.f.s.) per well.

19. That the rate of diversion approved under this permit is further limited to the rate which combined with Appropriation of Water, File No. 47,585, will provide a maximum diversion rate **not in excess of 800 gallons per minute** (1.78 c.f.s.) for irrigation use from the authorized point of diversion as described herein.

RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may:

- 1) request an evidentiary hearing before the Chief Engineer, or
- 2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary.

To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (**i.e., within a total of 18 days after this Order was mailed to you**), with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, KS 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for hearing may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 (**i.e., within a total of 33 days after this Order was mailed to you**), and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, KS 66502, FAX (785) 564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then this Order shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

#13

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49,601
This item to be completed by the Division of Water Resources.

APPLICATION FOR PERMIT TO
APPROPRIATE WATER FOR BENEFICIAL USE
Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

WATER RESOURCES
RECEIVED

MAR 28 2016
10:02
KS DEPT OF AGRICULTURE

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): Matt Brack
Address: 4001 E ave. G
City: Hutchinson State KS Zip Code 67501 - 8280
Telephone Number: (620) 694-4018

2. The source of water is: surface water in _____ (stream)
OR groundwater in * Cow Creek (drainage basin)
Arkansas River Basin - Equus Beds Aquifer

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 317.8 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 800 LTD 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 2 Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County RN By AJB Date 3/28/16
Code RE2 Fee \$ 300 TR # _____ Receipt Date 3/28/16 Check # 3016

DWR 1-100 (Revised 06/16/2014) * per WIMAS * RAK down 8/7/17
88 RAK
* per WRTS * RAK down 4/5/2016 ULM
SCANNED

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.

Geo Center

- (A) One in the SW quarter of the SW quarter of the SW quarter of Section 27, more particularly described as being near a point 326 feet North and 4754 feet West of the Southeast corner of said section, in Township 23 South, Range 5W East/West (circle one), Reno County, Kansas.
- (B) One in the SW quarter of the SW quarter of the SW quarter of Section 27, more particularly described as being near a point 124 feet North and 4955 feet West of the Southeast corner of said section, in Township 23 South, Range 5W East/West (circle one), Reno County, Kansas.
- (C) One in the SE quarter of the SW quarter of the SW quarter of Section 27, more particularly described as being near a point 128 feet North and 4552 feet West of the Southeast corner of said section, in Township 23 South, Range 5W East/West (circle one), Reno County, Kansas.
- (D) One in the SW quarter of the SW quarter of the SW quarter of Section 27, more particularly described as being near a point 524 feet North and 4955 feet West of the Southeast corner of said
- (E) section, in Township 23 South, Range 5W East/West (circle one), Reno County, Kansas.

SE SW SW S-27 528 N 4552' W 123 S 25 W Reno Co.
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):

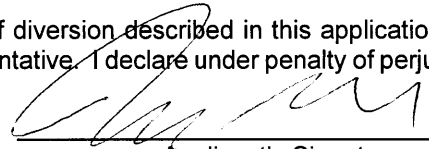
Harold E. Swanson Trust, 5500 E Avenue G, Hutchinson, KS 67501

(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 March 25, 2016 

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) 4/1/2017
(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 5/1/2017
(Mo/Day/Year)

** T.C. 4/7/16*

- 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 NA
 - If no, explain here why a Water Structures permit is not required NA
-
-

- 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.

47585 will file a change in point of diversion application to add two wells. After approval of change, this application will have the same point of diversion as 47585.

New place of use.

WATER RESOURCES RECEIVED

MAR 28 2016

* Revised

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49601

Name of Applicant (Please Print): Matt Brack

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: * Hal E Swanson, Harold E & Donna J Swanson Trust #2 ^{Guy S Swanson Trust} * Kim E Brack

ADDRESS: 5500 E Avenue G, Hutchinson, KS 67501 / 4745 SW Fairlawn Topeka KS

66610

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
27	23S	5W	26	15	32	32	30	26	32	34									227

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	

* Oper Reno Co Parcel Survey
 * RAK/pwr 8/08/17
 DWR 1-100.23 (7/7/2000)

WATER RESOURCES
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MAY 10 2016

* From Stephen Elliott, 6/1/12
 * RAK/pwr 1/1/11

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 (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Punkin-Taver complex</u>	<u>80.5</u>	<u>0.0-.06</u>	
<u>Carway and Carbika soils</u>	<u>3.7</u>	<u>0.0-.06</u>	
<u>Saltcreek and Naron fine sandy loam</u>	<u>15.8</u>	<u>.06-.2</u>	

Total: 100%

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

Estimate the maximum land slope in the field(s): 2 %

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:

(1) Estimate the operating pressure at the distribution system: Not yet available psi

(2) What is the sprinkler package design rate? Not yet available 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? Not yet available 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: Corn, Soy, Wheat, Milo

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). Crop Consultant

WATER RESOURCES
RECEIVED

MAY 10 2016

Krueger, Richelle

From: Krueger, Richelle
Sent: Tuesday, May 10, 2016 12:04 PM
To: 'Stephen Flaherty'
Subject: RE: Question about Application File No. 49,601 Matt Brack

Hi Stephen,
Thanks so much, this is perfect!
Richelle

From: Stephen Flaherty [mailto:sflaherty@gmd2.org]
Sent: Tuesday, May 10, 2016 11:29 AM
To: Krueger, Richelle
Subject: RE: Question about Application File No. 49,601 Matt Brack

Richelle,

We just had a little rain yesterday. I heard there was some big hail south of Cheney though.

On 49601, the acreage descriptions in the SW1/4 should be in the NE1/4. The applicant wants to irrigate 227 all in the north half of Section 27. I called the applicant and double checked the acreage distribution. There are not going to be any acres irrigated in the SW1/4 from this application. There will be no partial place of use overlap. I hope I was redundant enough. If I was not clear enough, I have attached a corrected document for you to see.

Thanks,

Steve Flaherty, Hydrogeologist
Equus Beds GMD No. 2
313 Spruce Street * Halstead, KS 67056
P: (316) 835-2224 * F: (316) 835-2225
www.gmd2.org

WATER RESOURCES
RECEIVED

MAY 10 2016

KS DEPT OF AGRICULTURE

From: Krueger, Richelle [mailto:Richelle.Krueger@KDA.KS.GOV]
Sent: Monday, May 09, 2016 3:19 PM
To: Stephen Flaherty
Subject: Question about Application File No. 49,601 Matt Brack

Good Afternoon,
Hope things are well in Halstead, pretty nice day here in Manhattan! Hey, I have begun reviewing a series of change applications and new applications filed by Matt Brack, and I have a question about the place of use for Application File No. 49601. It is proposing a battery of 4 wells with a geocenter located 326'N and 4754'W of SE corner of 27-23S-5W Reno Co. I believe that they are proposing an overlap in point of diversion only with File No. ~~47584~~. *47585**

There is a discrepancy between the map and the qtr qtr description of the proposed place of use for File No. 49601, please see the attached. When you get a chance, can you take a look at the attached and let me know which is correct?

Thanks for your help!

Richelle

** Brack 8/7/17*

Richelle Krueger, Environmental Scientist
Kansas Department of Agriculture
Water Appropriation Program
(785) 564-6635
Richelle.Krueger@kda.ks.gov
www.ksda.gov/dwr

49,601

Wells Within ½ Mile

1. Irrigation Well #47942
Harold E Swanson Trust
5500 E Avenue G
Hutchinson, KS 67501
2. Irrigation Well #46220
Stanley J Hill
2402 Kipling Pl.
Hutchinson, KS 67502
3. Domestic Well
Craig A & Ruth A Gibson
4013 E Illinois Avenue
Hutchinson, KS 67501
4. Domestic Well
Ryan K & Samantha L Almquist
4003 E Illinois Avenue
Hutchinson, KS 67501
5. Domestic Well
Elizabeth M Terry Trust
3419 S Yoder Rd.
Hutchinson, KS 67501

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MAR 28 2016

KS DEPT OF AGRICULTURE

SCANNED

*See Revised Irrigation Supplemental Sheet from S.F. for Floiridy G.M.R. on 5/10/16

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49,601

Name of Applicant (Please Print): Matt Brack

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: Harold E Swanson Trust
 ADDRESS: 5500 E Avenue G, Hutchinson, KS 67501

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
27	23S	5W					30	26	32	34	26	15	32	32					227

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	

WATER RESOURCES RECEIVED

MAR 28 2016

* RAK/DWL 6/1/16

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 (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Punkin-Taver complex</u>	<u>80.5</u>	<u>0.0-.06</u>	
<u>Carway and Carbika soils</u>	<u>3.7</u>	<u>0.0-.06</u>	
<u>Saltcreek and Naron fine sandy loam</u>	<u>15.8</u>	<u>.06-.2</u>	

Total: 100%

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

Estimate the maximum land slope in the field(s): 2 %

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:

- (1) Estimate the operating pressure at the distribution system: Not yet available psi
- (2) What is the sprinkler package design rate? Not yet available 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? Not yet available 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: Corn, Soy, Wheat, Milo

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). Crop Consultant

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MAR 28 2016

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

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

WATER RESOURCES
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MAY 10 2016
KS DEPT OF AGRICULTURE

3-25-16
(Date)

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

Re: Application 49,601
File No. _____

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.

[Signature]
Signature of Applicant

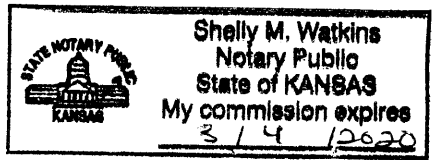
State of Kansas)
County of Hanney) ss

Matt Beck
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 25 day of March, 2016.

[Signature]
Notary Public

My Commission Expires:



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MAR 28 2016

**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River

Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

WATER RESOURCES
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MAR 28 2016

KS DEPT OF AGRICULTURE

SCANNED

Krueger, Richelle

From: Lanterman, Jeff
Sent: Thursday, August 3, 2017 4:09 PM
To: Krueger, Richelle
Cc: Conant, Cameron
Subject: FW: Request for Recommendation Matt Brack Harold Swanson newapp49601,47585chgpd
Attachments: newapp49601,47585chgpdmemgmd2.docx; 49601 & 47585 map.jpg

Richelle;

These look OK to approve. See Cameron's notes on the overlap and WRIS.

Jeff

From: Conant, Cameron
Sent: Wednesday, July 26, 2017 9:44 AM
To: Lanterman, Jeff <Jeff.Lanterman@ks.gov>
Subject: FW: Request for Recommendation Matt Brack Harold Swanson newapp49601,47585chgpd

Jeff, WRIS needs fixed, there is NO overlap in place of use between the new app and the senior file no. 47585. The new application was revised to show no overlap in place of use. See attached very rough map, the circles aren't perfect, just meant to show you what is going on!

The p/d change on 47585 going from the currently authorized battery of 2 wells to a battery of 4 wells looks ok for approval.

The new application covering the same battery of 4 wells and providing an additional quantity of 317.8 AF on the proposed acreage in the N½ of the section is reasonable at 1.4 AF/acre. This will be limited to no more than 800gpm at any time.

Spacing is met in all cases, nearbys were notified and no comments were provided.

Nearby hydrographs shown below indicate a stable water level in the general area.

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380130097520501

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380050097494702

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380002097514502

GMD#2 recommended approval with additional wording that the separate places of use will be metered separately.

I don't like the fact that a single battery of 4 wells will be applying water to 3 different pivots, but I can think of nothing in regulation prevents this. I see potential for short water rights and difficulties with ownership changes in the future. That said, spacing, SY, ect is met and current area water levels appear stable.

I think this change and new app can be recommended for approval. Please pass on the recommendation to Richelle based on our review of these files (Richelle can you make sure Laura gets WRIS corrected).

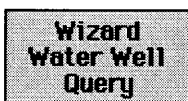
Cameron

From: Krueger, Richelle
Sent: Wednesday, June 21, 2017 12:25 PM
To: Lanterman, Jeff <Jeff.Lanterman@ks.gov>; Conant, Cameron <Cameron.Conant@ks.gov>
Subject: FW: Request for Recommendation Matt Brack Harold Swanson newapp49601,47585chgpd

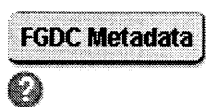
Good Afternoon Jeff and Cameron,
This is just a friendly reminder on these, I haven't received a recommendation on these two.
Thanks,
Richelle

From: Krueger, Richelle
Sent: Thursday, May 18, 2017 5:01 PM
To: Lanterman, Jeff <Jeff.Lanterman@ks.gov>
Cc: Conant, Cameron <Cameron.Conant@ks.gov>
Subject: Request for Recommendation Matt Brack Harold Swanson newapp49601,47585chgpd

Hi Jeff,
Attached is a draft memo for the referenced new app and change app, do you recommend approval?
Thanks,
Richelle



WIZARD Water Well Listing
Detailed Well Page



General Well Site Information

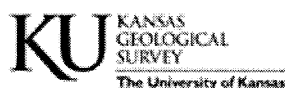
USGS ID:	380130097520501	KGS Local Well ID:	23S 05W 28AAD 02
County:	Reno	PLSS Description:	23S 5W 28 SENENE
HUC 8 Code:	11030010	GMD:	Equus Beds GMD #2
Longitude:	-97.866951	Lat/Long Source:	GPS
Latitude:	38.026696	Lat/Long Accuracy:	5 seconds
Surface Elevation (ft):	1512.3	Depth of Well (ft):	69
Geological Unit Codes:		USGS Map Name:	HUTCHINSON SE
Use of Site:	Observation	Use of Water:	Unused
WWC5 Links:	<u>318705</u> <u>453393</u>	WIMAS Link:	None

[Google Location Map](#)

Well Remarks:

There are no recorded remarks for this well.

No available photograph for this well.



Disclaimer

For information on the WIZARD database, please contact [Dan Suchy](#) (dsuchy@kgs.ku.edu, 785-864-2160).

For web page or internet based comments, please contact

webadmin@kgs.ku.edu

WIZARD Program updated December, 2002. Data added periodically.



Measuring Point Information

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

Height:	2.85
Description:	Repaired damaged well. New mp 2.85 ALS-TOC

Other Well Identifiers

Well Identifier	Assignor	Date Assigned
EB-239-C	GMD2	MAR-18-1998
EB239C	GMD #2	DEC-16-2002

Construction Data

Date:	11-NOV-89
Constuction Method:	Hydraulic rotary
Type of Finish:	Gravel pack w/screen
Surface Seal:	Bentonite
Depth to Bottom of Seal:	49
Development Method:	Pumped with air lift
Development Hours:	1
Special Treatment:	Unknown

Casing Information

Sequence 1:	1
Sequence 2:	1
Depth to Top (ft):	-3.09
Depth to Bottom (ft):	69
Diameter (inches):	2
Material:	Unknown
Thickness (inches):	.3

Water Level Measurements

380130097520501

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								
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Image Expired Please refresh the page to view the image </div>								
Date	Depth to Water	Status	Agency	Method	WL Source	Tape Hold	Chalk Cut	Initials
MAR-20-1990	-12.81	-	GMD2	Steel Tape	-	18	2.10	DRK
MAY-01-1990	-12.67	-	GMD2	Steel Tape	-	17	1.24	DRK
JUN-01-1990	-12.4	-	GMD2	Steel Tape	-	17	1.51	DRK
AUG-02-1990	-12.66	-	GMD2	Steel Tape	-	18	2.25	DRK
AUG-31-1990	-12.79	-	GMD2	Steel Tape	-	17	1.12	DRK
SEP-27-1990	-12.84	-	GMD2	Steel Tape	-	17	1.07	DRK
OCT-26-1990	-12.97	-	GMD2	Steel Tape	-	17	0.94	DRK
DEC-06-1990	-13.11	-	GMD2	Steel Tape	-	17	0.80	DRK
JAN-30-1991	-13.34	-	GMD2	Steel Tape	-	17	0.57	DRK
APR-30-1991	-13.4	-	-	Steel Tape	-	-	---	-
JUN-30-1991	-13.4	-	GMD2	Steel Tape	-	17	0.51	DRK
JUL-23-1991	-13.41	-	GMD2	Steel Tape	-	17	0.50	DRK
OCT-29-1991	-13.46	-	GMD2	Steel Tape	-	18	1.45	DRK
JAN-31-1992	-13.48	-	GMD2	Steel Tape	-	18	1.43	TDB
APR-24-1992	-13.64	-	GMD2	Steel Tape	-	18	1.27	TDB
JUL-09-1992	-13.23	-	GMD2	Steel Tape	-	17	0.68	TDB
OCT-23-1992	-12.98	-	GMD2	Steel Tape	-	18	1.93	TDB
JAN-15-1993	-12.4	-	GMD2	Steel Tape	-	17	1.51	TDB
APR-14-1993	-11.07	-	GMD2	Steel Tape	-	15	0.84	TDB

AUG-02-1993	-8.65	-	GMD2	Steel Tape	-	13	1.26	TDB
NOV-05-1993	-10.24	-	GMD2	Steel Tape	-	14	0.67	TDB
JAN-28-1994	-10.96	-	GMD2	Steel Tape	-	15	0.95	TDB
APR-20-1994	-11.43	-	GMD2	Steel Tape	-	15	0.48	TDB
JUL-27-1994	-11.82	-	GMD2	Steel Tape	-	16	1.09	TDB
OCT-26-1994	-12.41	-	GMD2	Steel Tape	-	16	0.50	TDB
JAN-19-1995	-12.85	-	GMD2	Steel Tape	-	17	1.06	TDB
APR-20-1995	-12.99	-	GMD2	Steel Tape	-	17	0.92	TDB
JUL-19-1995	-10.43	-	GMD2	Steel Tape	-	15	1.48	TDB
OCT-26-1995	-11.29	-	GMD2	Steel Tape	-	15	0.62	TDB
JAN-25-1996	-12.11	-	GMD2	Steel Tape	-	16	0.80	TDB
APR-25-1996	-12.62	-	GMD2	Steel Tape	-	17	1.29	TDB
JUL-25-1996	-12.59	-	GMD2	Steel Tape	-	17	1.32	TDB
OCT-24-1996	-12.68	-	GMD2	Steel Tape	-	17	1.23	TDB
JAN-24-1997	-12.79	-	GMD2	Steel Tape	-	17	1.12	TDB
FEB-27-1997	-12.87	-	GMD2	Steel Tape	-	17	1.04	TDB
MAR-31-1997	-12.89	-	GMD2	Steel Tape	-	17	1.02	TDB
APR-23-1997	-12.85	-	GMD2	Steel Tape	-	17	1.06	TDB
MAY-21-1997	-12.89	-	GMD2	Steel Tape	-	17	1.02	TDB
JUN-18-1997	-12.7	-	GMD2	Steel Tape	-	17	1.21	TDB
JUL-23-1997	-12.39	-	GMD2	Steel Tape	-	17	1.52	TDB
AUG-19-1997	-12.59	-	GMD2	Steel Tape	-	17	1.32	TDB
SEP-15-1997	-12.64	-	GMD2	Steel Tape	-	17	1.27	TDB
OCT-15-1997	-11.95	-	GMD2	Steel Tape	-	16	0.96	TDB
NOV-19-1997	-12.11	-	GMD2	Steel Tape	-	16	0.80	TDB
DEC-15-1997	-12.27	-	GMD2	Steel Tape	-	16	0.64	TDB
JAN-28-1998	-12.3	-	GMD2	Steel Tape	-	16	0.61	TDB
FEB-18-1998	-12.35	-	GMD2	Steel Tape	-	16	0.56	TDB
MAR-25-1998	-12.19	-	GMD2	Steel Tape	-	16	0.72	TDB
APR-22-1998	-12.01	-	GMD2	Steel Tape	-	16	0.90	TDB
MAY-18-1998	-12.03	-	GMD2	Steel Tape	-	16	0.88	TDB
JUN-16-1998	-12.34	-	GMD2	Steel Tape	-	16	0.57	TDB
JUL-22-1998	-12.16	-	GMD2	Steel Tape	-	17	1.75	TDB
AUG-25-1998	-12.37	-	GMD2	Steel Tape	-	17	1.54	TDB
SEP-17-1998	-12.61	-	GMD2	Steel Tape	-	17	1.30	TDB
OCT-19-1998	-12.6	-	GMD2	Steel Tape	-	17	1.31	TDB
NOV-19-1998	-11.59	-	GMD2	Steel Tape	-	16	1.32	TDB

DEC-14-1998	-11.63	-	GMD2	Steel Tape	-	16	1.28	TDB
JAN-20-1999	-12.02	-	GMD2	Steel Tape	-	16	0.89	TDB
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JUL-14-1999	-11.56	-	GMD2	Steel Tape	-	16	1.35	TDB
OCT-20-1999	-11.62	-	GMD2	Steel Tape	-	17	2.29	TDB
JAN-12-2000	-12.13	-	GMD2	Steel Tape	-	16	0.78	TDB
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OCT-18-2000	-11.89	-	GMD2	Steel Tape	-	17	2.02	TDB
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MAR-27-2001	-10.34	-	GMD2	Steel Tape	-	15	1.57	TDB
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SEP-25-2001	-11.87	-	GMD2	Steel Tape	-	16	1.04	TDB
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JAN-16-2002	-12.57	-	GMD2	Steel Tape	-	17	1.34	TDB
APR-17-2002	-12.96	-	GMD2	Steel Tape	-	17	0.95	TDB
JUL-17-2002	-12.61	-	GMD2	Steel Tape	-	17	1.30	TDB
OCT-24-2002	-12.41	-	GMD2	Electronic-Tape	-	15.5	---	TDB
JAN-29-2003	-12.31	-	GMD2	Electronic-Tape	-	15.4	0.00	TB
APR-17-2003	-11.71	-	GMD2	Electronic-Tape	-	14.8	0.00	TB
JUL-16-2003	-11.08	-	GMD2	Electronic-Tape	-	14.17	0.00	TB
OCT-22-2003	-11.84	-	GMD2	Electronic-Tape	-	14.93	0.00	TB
JAN-21-2004	-12.29	-	GMD2	Electronic-Tape	-	15.38	0.00	TB
APR-26-2004	-11.79	-	GMD2	Electronic-Tape	-	14.88	0.00	TB
JUL-29-2004	-11.31	-	GMD2	Electronic-Tape	-	14.4	0.00	TB
AUG-24-2004	-10.82	-	GMD2	Electronic-Tape	-	13.91	0.00	TB
JAN-26-2005	-11.75	-	GMD2	Electronic-Tape	-	14.84	0.00	TB
APR-26-2005	-11.31	-	GMD2	Electronic-Tape	-	14.4	0.00	TB
JUL-29-2005	-10.11	-	GMD2	Electronic-Tape	-	13.2	0.00	TB

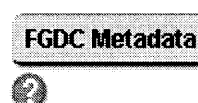
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JUL-25-2007	-9.99	-	GMD2	Electronic-Tape	-	13.08	0.00	DR
SEP-19-2007	-10.85	-	GMD2	Electronic-Tape	-	13.94	0.00	DR
OCT-23-2007	-11.11	-	GMD2	Electronic-Tape	-	14.2	0.00	DR
NOV-27-2007	-11.37	-	GMD2	Electronic-Tape	-	14.46	0.00	DR
JAN-15-2008	-10.89	-	GMD2	Electronic-Tape	-	13.98	0.00	DR
MAR-12-2008	-10.86	-	GMD2	Electronic-Tape	-	13.95	0.00	DR
APR-08-2008	-10.88	-	GMD2	Electronic-Tape	-	13.97	0.00	DR
JUL-14-2008	-10.39	-	GMD2	Electronic-Tape	-	13.48	0.00	DR
SEP-17-2008	-10.5	-	GMD2	Electronic-Tape	-	13.59	0.00	DR
NOV-07-2008	-10.2	-	GMD2	Electronic-Tape	-	13.05	0.00	DR
JAN-14-2009	-10.84	-	GMD2	Electronic-Tape	-	13.69	0.00	DR
APR-15-2009	-11	-	GMD2	Electronic-Tape	-	13.85	0.00	DR
OCT-14-2009	-11.27	-	GMD2	Electronic-Tape	-	14.12	0.00	DR

JAN-21-2010	-11.72	-	GMD2	Electronic-Tape	-	14.57	0.00	DR
APR-13-2010	-12.06	-	GMD2	Electronic-Tape	-	14.91	0.00	DR
JUL-20-2010	-10	-	GMD2	Electronic-Tape	-	12.85	0.00	DR
OCT-12-2010	-11.24	-	GMD2	Electronic-Tape	-	14.09	0.00	DR
JAN-18-2011	-11.98	-	GMD2	Electronic-Tape	-	14.83	0.00	DR
APR-26-2011	-12.55	-	GMD2	Electronic-Tape	-	15.4	0.00	DR
JUL-13-2011	-13	-	GMD2	Electronic-Tape	-	15.85	0.00	DR
AUG-31-2011	-13.36	-	GMD2	Electronic-Tape	-	16.21	0.00	DR
OCT-10-2011	-13.85	-	GMD2	Electronic-Tape	-	16.7	0.00	DR
JAN-12-2012	-13.97	-	GMD2	Electronic-Tape	-	16.82	0.00	DR
MAR-07-2012	-13.8	-	GMD2	Electronic-Tape	-	16.65	0.00	DR

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WIZARD Water Well Listing
Detailed Well Page



General Well Site Information

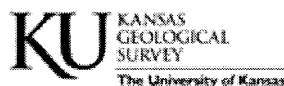
USGS ID:	380050097494702	KGS Local Well ID:	23S 05W 25CCC 02
County:	Reno	PLSS Description:	23S 5W 25 SWSWSW
HUC 8 Code:	11030010	GMD:	Equus Beds GMD #2
Longitude:	-97.829833	Lat/Long Source:	GPS
Latitude:	38.013911	Lat/Long Accuracy:	5 seconds
Surface Elevation (ft):	1493.78	Depth of Well (ft):	Unknown
Geological Unit Codes:		USGS Map Name:	HUTCHINSON SE
Use of Site:	Observation	Use of Water:	Unused
WWC5 Links:	None	WIMAS Link:	None

[Google Location Map](#)

Well Remarks:

There are no recorded remarks for this well.

No available photograph for this well.



Disclaimer

For information on the WIZARD database, please contact [Dan Suchy](#) (dsuchy@kgs.ku.edu, 785-864-2160).

For web page or internet based comments, please contact

webadmin@kgs.ku.edu

WIZARD Program updated December, 2002. Data added periodically.



Measuring Point Information

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

Height:	2.5
Description:	TOC

Other Well Identifiers

Well Identifier	Assignor	Date Assigned
EB-229-B	GMD-2	MAR-18-1998
EB229B	GMD #2	DEC-16-2002

Construction Data

Date:	10-DEC-88
Constuction Method:	Hydraulic rotary
Type of Finish:	Gravel pack w/screen
Surface Seal:	Bentonite
Depth to Bottom of Seal:	62
Development Method:	Pumped with air lift
Development Hours:	1
Special Treatment:	Unknown

Casing Information

Sequence 1:	1
Sequence 2:	1
Depth to Top (ft):	-2.48
Depth to Bottom (ft):	82
Diameter (inches):	2
Material:	Unknown
Thickness (inches):	.308

Water Level Measurements

380050097494702

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								
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;"> Image Expired Please refresh the page to view the image </div>								
Date	Depth to Water	Status	Agency	Method	WL Source	Tape Hold	Chalk Cut	Initials
JAN-03-1989	-7.38	-	-	Steel Tape	-	-	---	-
JAN-11-1989	-7.68	-	GMD2	Steel Tape	-	12	1.82	DK
FEB-24-1989	-7.93	-	GMD2	Steel Tape	-	12	1.57	DK
MAR-24-1989	-8.02	-	GMD2	Steel Tape	-	12	1.48	DK
MAY-01-1989	-8.1	-	GMD2	Steel Tape	-	12	1.40	DK
MAY-25-1989	-8.15	-	GMD2	Steel Tape	-	12	1.35	DK
JUN-30-1989	-7.96	-	GMD2	Steel Tape	-	12	1.54	DK
JUL-31-1989	-7.94	-	GMD2	Steel Tape	-	12	1.56	DK
SEP-01-1989	-7.6	-	GMD2	Steel Tape	-	12	1.90	DK
OCT-02-1989	-6.9	-	GMD2	Steel Tape	-	12	2.60	DK
NOV-01-1989	-7.03	-	GMD2	Steel Tape	-	11	1.47	DK
DEC-01-1989	-7.21	-	GMD2	Steel Tape	-	11	1.29	DK
JAN-03-1990	-7.36	-	GMD2	Steel Tape	-	11	1.14	DK
FEB-09-1990	-7.5	-	GMD2	Steel Tape	-	11	1.00	DK
MAR-02-1990	-7.5	-	GMD2	Steel Tape	-	11	1.00	DK
MAR-30-1990	-6.96	-	GMD2	Steel Tape	-	11	1.54	DK
	-6.68	-	GMD2	Steel Tape	-	11	1.82	DK

MAY-01-1990								
JUN-01-1990	-6.56	-	GMD2	Steel Tape	-	11	1.94	DK
AUG-02-1990	-7.14	-	GMD2	Steel Tape	-	12	2.36	DK
AUG-31-1990	-7.4	-	GMD2	Steel Tape	-	11	1.10	DK
SEP-27-1990	-7.52	-	GMD2	Steel Tape	-	11	0.98	DK
OCT-26-1990	-7.72	-	GMD2	Steel Tape	-	11	0.78	DK
DEC-06-1990	-7.92	-	GMD2	Steel Tape	-	11	0.58	DK
JAN-30-1991	-8.1	-	GMD2	Steel Tape	-	11	0.40	DK
APR-29-1991	-7.87	-	GMD2	Steel Tape	-	11	0.63	DK
JUL-24-1991	-7.85	-	GMD2	Steel Tape	-	11	0.65	DK
OCT-29-1991	-8.1	-	GMD2	Steel Tape	-	11	0.40	DK
JAN-31-1992	-8	-	GMD2	Steel Tape	-	11	0.50	TB
APR-23-1992	-8.16	-	GMD2	Steel Tape	-	11	0.34	TB
JUL-09-1992	-7.47	-	GMD2	Steel Tape	-	11	1.03	TB
OCT-22-1992	-7.63	-	GMD2	Steel Tape	-	12	1.87	TB
JAN-15-1993	-6.88	-	GMD2	Steel Tape	-	11	1.62	TB
APR-14-1993	-4.39	-	GMD2	Steel Tape	-	9	2.11	TB
AUG-03-1993	-2.18	-	GMD2	Steel Tape	-	7	2.32	TB
NOV-05-1993	-4.76	-	GMD2	Steel Tape	-	8	0.74	TB
JAN-28-1994	-5.48	-	GMD2	Steel Tape	-	9	1.02	TB
APR-20-1994	-5.95	-	GMD2	Steel Tape	-	10	1.55	TB
JUL-27-1994	-6.66	-	GMD2	Steel Tape	-	10	0.84	TB
OCT-26-1994	-7.63	-	GMD2	Steel Tape	-	11	0.87	TB
JAN-19-1995	-7.9	-	GMD2	Steel Tape	-	12	1.60	TB
APR-20-1995	-7.97	-	GMD2	Steel Tape	-	12	1.53	TB
JUL-19-1995	-4.84	-	GMD2	Steel Tape	-	11	3.66	TB
OCT-26-1995	-6.28	-	GMD2	Steel Tape	-	10	1.22	TB
JAN-24-1996	-6.84	-	GMD2	Steel Tape	-	11	1.66	TB
APR-25-1996	-7.24	-	GMD2	Steel Tape	-	11	1.26	TB
MAY-25-1996	-7.23	-	GMD2	Steel Tape	-	11	1.27	TB
OCT-24-1996	-7.08	-	GMD2	Steel Tape	-	11	1.42	TB
JAN-24-1997	-6.82	-	GMD2	Steel Tape	-	11	1.68	TB
FEB-21-1997	-6.62	-	GMD2	Steel Tape	-	11	1.88	TB
MAR-31-1997	-6.6	-	GMD2	Steel Tape	-	11	1.90	TB
APR-23-1997	-6.47	-	GMD2	Steel Tape	-	10	1.03	TB
MAY-21-1997	-6.86	-	GMD2	Steel Tape	-	11	1.64	TB
JUN-18-1997	-6.53	-	GMD2	Steel Tape	-	10	0.97	TB

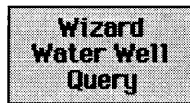
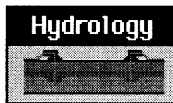
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SEP-15-1997	-6.8	-	GMD2	Steel Tape	-	11	1.70	TB
OCT-15-1997	-5.69	-	GMD2	Steel Tape	-	10	1.81	TB
NOV-18-1997	-5.85	-	GMD2	Steel Tape	-	10	1.65	TB
DEC-15-1997	-6.07	-	GMD2	Steel Tape	-	10	1.43	TB
JAN-28-1998	-5.73	-	GMD2	Steel Tape	-	10	1.77	TB
FEB-18-1998	-5.72	-	GMD2	Steel Tape	-	9	0.78	TB
MAR-23-1998	-5.22	-	GMD2	Steel Tape	-	9	1.28	TB
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MAY-18-1998	-5.5	-	GMD2	Steel Tape	-	9	1.00	TB
JUN-16-1998	-6.1	-	GMD2	Steel Tape	-	10	1.40	TB
JUL-22-1998	-5.46	-	GMD2	Steel Tape	-	10	2.04	TB
AUG-25-1998	-6.19	-	GMD2	Steel Tape	-	10	1.31	TB
SEP-17-1998	-6.6	-	GMD2	Steel Tape	-	10	0.90	TB
OCT-16-1998	-5.9	-	GMD2	Steel Tape	-	10	1.60	TB
NOV-19-1998	-4.25	-	GMD2	Steel Tape	-	9	2.25	TB
DEC-14-1998	-4.45	-	GMD2	Steel Tape	-	8	1.05	TB
JAN-20-1999	-4.99	-	GMD2	Steel Tape	-	9	1.51	TB
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JUL-14-1999	-4.76	-	GMD2	Steel Tape	-	8	0.74	TB
OCT-20-1999	-5.92	-	GMD2	Steel Tape	-	10	1.58	TB
JAN-12-2000	-6.26	-	GMD2	Steel Tape	-	10	1.24	TB
APR-27-2000	-4.34	-	GMD2	Steel Tape	-	9	2.16	TB
JUL-19-2000	-5.6	-	GMD2	Steel Tape	-	9	0.90	TB
OCT-18-2000	-6.94	-	GMD2	Steel Tape	-	11	1.56	TB
JAN-18-2001	-6.82	-	GMD2	Steel Tape	-	11	1.68	TB
MAR-27-2001	-4.87	-	GMD2	Steel Tape	-	10	2.63	TB
APR-18-2001	-4.78	-	GMD2	Steel Tape	-	9	1.72	TB
JUN-25-2001	-4.67	-	GMD2	Steel Tape	-	8	0.83	TB
SEP-25-2001	-7.23	-	GMD2	Steel Tape	-	11	1.27	TB
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DEC-18-2001	-7.67	-	GMD2	Steel Tape	-	11	0.83	TB
JAN-16-2002	-7.81	-	GMD2	Steel Tape	-	12	1.69	TB
APR-17-2002	-8.09	-	GMD2	Steel Tape	-	12	1.41	TB
JUL-17-2002	-8.08	-	GMD2	Steel Tape	-	12	1.42	TDB
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JUL-16-2003	-7.04	-	GMD2	Electronic-Tape	-	9.54	0.00	TB
OCT-22-2003	-7.62	-	GMD2	Electronic-Tape	-	10.12	0.00	TB
JAN-21-2004	-7.95	-	GMD2	Electronic-Tape	-	10.45	0.00	TB
APR-26-2004	-7.23	-	GMD2	Electronic-Tape	-	9.73	0.00	TB
JUL-29-2004	-5.99	-	GMD2	Electronic-Tape	-	8.49	0.00	TB
JAN-26-2005	-6.71	-	GMD2	Electronic-Tape	-	9.21	0.00	TB
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JUL-28-2005	-4.88	-	GMD2	Electronic-Tape	-	7.38	0.00	TB
NOV-01-2005	-6.31	-	GMD2	Electronic-Tape	-	8.81	0.00	DR
JAN-24-2006	-6.91	-	GMD2	Electronic-Tape	-	9.41	0.00	DR
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JUL-25-2006	-7.95	-	GMD2	Electronic-Tape	-	10.45	0.00	DR
OCT-18-2006	-8.4	-	GMD2	Electronic-Tape	-	10.9	0.00	DR
JAN-05-2007	-8.6	-	GMD2	Electronic-Tape	-	11.1	0.00	DR
APR-12-2007	-8.15	-	GMD2	Electronic-Tape	-	10.65	0.00	DR
JUL-25-2007	-4.25	-	GMD2	Electronic-Tape	-	6.75	0.00	DR
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JAN-15-2008	-5.55	-	GMD2	Electronic-Tape	-	8.05	0.00	DR
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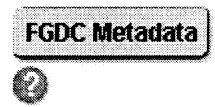
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APR-13-2010	-6.48	-	GMD2	Electronic-Tape	-	8.98	0.00	DR
JUL-20-2010	-4.04	-	GMD2	Electronic-Tape	-	6.54	0.00	DR
OCT-12-2010	-6.38	-	GMD2	Electronic-Tape	-	8.88	0.00	DR
JAN-18-2011	-6.83	-	GMD2	Electronic-Tape	-	9.33	0.00	DR
APR-21-2011	-7.18	-	GMD2	Electronic-Tape	-	9.68	0.00	DR
JUL-13-2011	-7.91	-	GMD2	Electronic-Tape	-	10.41	0.00	DR
OCT-10-2011	-9.14	-	GMD2	Electronic-Tape	-	11.64	0.00	DR
JAN-12-2012	-9.29	-	GMD2	Electronic-Tape	-	11.79	0.00	DR
APR-24-2012	-8.81	-	GMD2	Electronic-Tape	-	11.31	0.00	DR
JUL-13-2012	-9.18	-	GMD2	Electronic-Tape	-	11.68	0.00	DR
OCT-11-2012	-10.05	-	GMD2	Electronic-Tape	-	12.55	0.00	DR
JAN-23-2013	-10.35	-	GMD2	Electronic-Tape	-	12.85	0.00	DR
APR-23-2013	-10.47	-	GMD2	Electronic-Tape	-	12.97	0.00	DR
AUG-05-2013	-9.41	-	GMD2	Electronic-Tape	-	11.91	0.00	DR
OCT-15-2013	-8.5	-	GMD2	Electronic-Tape	-	11	0.00	DR
JAN-15-2014	-8.42	-	GMD2	Electronic-Tape	-	10.92	0.00	DR

APR-18-2014	-8.59	-	GMD2	Electronic-Tape	-	11.09	0.00	DR
JUL-23-2014	-8.42	-	GMD2	Electronic-Tape	-	10.92	0.00	DR
OCT-21-2014	-9.1	-	GMD2	Electronic-Tape	-	11.6	0.00	DR
JAN-14-2015	-9.28	-	GMD2	Electronic-Tape	-	11.78	0.00	DR
APR-13-2015	-9.5	-	GMD2	Electronic-Tape	-	12	0.00	DR
JUL-27-2015	-8.97	-	GMD2	Electronic-Tape	-	11.47	0.00	DR
OCT-20-2015	-9.5	-	GMD2	Electronic-Tape	-	12	0.00	DR
JAN-14-2016	-8.96	-	GMD2	Electronic-Tape	-	11.46	0.00	DR
APR-14-2016	-8.85	-	GMD2	Electronic-Tape	-	11.35	0.00	DR
JUL-21-2016	-7.1	-	GMD2	Electronic-Tape	-	9.6	0.00	DR
OCT-13-2016	-6.84	-	GMD2	Electronic-Tape	-	9.34	0.00	DR
JAN-13-2017	-7.33	-	GMD2	Electronic-Tape	-	9.83	0.00	DR
APR-19-2017	-6.28	-	GMD2	Electronic-Tape	-	8.78	0.00	DR

Download



WIZARD Water Well Listing
Detailed Well Page



General Well Site Information ?

USGS ID:	380002097514502	KGS Local Well ID:	23S 05W 34CCD 02
County:	Reno	PLSS Description:	23S 5W 34 SESWSW
HUC 8 Code:	11030011	GMD:	Equus Beds GMD #2
Longitude:	-97.863016	Lat/Long Source:	GPS
Latitude:	38.000514	Lat/Long Accuracy:	5 seconds
Surface Elevation (ft):	1498.78	Depth of Well (ft):	60
Geological Unit Codes:		USGS Map Name:	HUTCHINSON SE
Use of Site:	Observation	Use of Water:	Unused
WWC5 Links:	None	WIMAS Link:	None

[Google Location Map](#)

Well Remarks:

There are no recorded remarks for this well.

No available photograph for this well.



Disclaimer

For information on the WIZARD database, please contact [Dan Suchy](#) (dsuchy@kgs.ku.edu, 785-864-2160).

For web page or internet based comments, please contact

webadmin@kgs.ku.edu

WIZARD Program updated December, 2002. Data added periodically.



Measuring Point Information

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

Height:	2.95
Description:	TOC

Other Well Identifiers

Well Identifier	Assignor	Date Assigned
EB-231-B	GMD-2	MAR-18-1998
EB231B	GMD #2	DEC-16-2002

Construction Data

Date:	18-DEC-88
Constuction Method:	Hydraulic rotary
Type of Finish:	Gravel pack w/screen
Surface Seal:	Bentonite
Depth to Bottom of Seal:	40
Development Method:	Pumped with air lift
Development Hours:	1
Special Treatment:	Unknown

Casing Information

Sequence 1:	1
Sequence 2:	1
Depth to Top (ft):	-2.93
Depth to Bottom (ft):	60
Diameter (inches):	2
Material:	Unknown
Thickness (inches):	.308

Water Level Measurements

380002097514502

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								
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> Image Expired Please refresh the page to view the image </div>								
Date	Depth to Water	Status	Agency	Method	WL Source	Tape Hold	Chalk Cut	Initials
JAN-12-1989	-7.87	-	GMD2	Steel Tape	-	11	0.18	DK
FEB-24-1989	-7.08	-	GMD2	Steel Tape	-	12	1.97	DK
MAR-24-1989	-7.02	-	GMD2	Steel Tape	-	12	2.03	DK
MAY-01-1989	-7.14	-	GMD2	Steel Tape	-	12	1.91	DK
MAY-25-1989	-6.98	-	GMD2	Steel Tape	-	11	1.07	DK
JUN-30-1989	-6.54	-	GMD2	Steel Tape	-	11	1.51	DK
JUL-31-1989	-6.86	-	GMD2	Steel Tape	-	11	1.19	DK
SEP-01-1989	-6.43	-	GMD2	Steel Tape	-	11	1.62	DK
OCT-02-1989	-6.53	-	GMD2	Steel Tape	-	11	1.52	DK
NOV-01-1989	-6.45	-	GMD2	Steel Tape	-	11	1.60	DK
DEC-01-1989	-6.55	-	GMD2	Steel Tape	-	11	1.50	DK
	-6.66	-	GMD2	Steel Tape	-	11	1.39	DK

JAN-03-1990								
FEB-09-1990	-6.86	-	GMD2	Steel Tape	-	11	1.19	DK
MAR-02-1990	-6.75	-	GMD2	Steel Tape	-	11	1.30	DK
MAR-30-1990	-6.37	-	GMD2	Steel Tape	-	11	1.68	DK
MAY-01-1990	-6.28	-	GMD2	Steel Tape	-	11	1.77	DK
JUN-01-1990	-6.14	-	GMD2	Steel Tape	-	11	1.91	DK
AUG-02-1990	-7.04	-	GMD2	Steel Tape	-	11	1.01	DK
AUG-31-1990	-7.01	-	GMD2	Steel Tape	-	11	1.04	DK
SEP-27-1990	-6.81	-	GMD2	Steel Tape	-	11	1.24	DK
OCT-26-1990	-7.01	-	GMD2	Steel Tape	-	11	1.04	DK
DEC-06-1990	-7.03	-	GMD2	Steel Tape	-	11	1.02	DK
JAN-30-1991	-6.93	-	GMD2	Steel Tape	-	11	1.12	DK
APR-30-1991	-5.7	-	GMD2	Steel Tape	-	11	2.35	DK
JUL-23-1991	-7.21	-	GMD2	Steel Tape	-	11	0.84	DK
OCT-29-1991	-7	-	GMD2	Steel Tape	-	11	1.05	DK
JAN-31-1992	-6.74	-	GMD2	Steel Tape	-	11	1.31	TB
APR-23-1992	-6.68	-	GMD2	Steel Tape	-	10	0.37	TB
JUL-09-1992	-6.62	-	GMD2	Steel Tape	-	10	0.43	TB
OCT-22-1992	-6.9	-	GMD2	Steel Tape	-	11	1.15	TB
JAN-15-1993	-6.5	-	GMD2	Steel Tape	-	10	0.55	TB
APR-14-1993	-5.32	-	GMD2	Steel Tape	-	9	0.73	TB
AUG-04-1993	-5.12	-	GMD2	Steel Tape	-	9	0.93	TB

NOV-05-1993	-6.12	-	GMD2	Steel Tape	-	12	2.93	TB
JAN-28-1994	-6.14	-	GMD2	Steel Tape	-	10	0.91	TB
APR-20-1994	-6.16	-	GMD2	Steel Tape	-	10	0.89	TB
JUL-27-1994	-7.02	-	GMD2	Steel Tape	-	11	1.03	TB
OCT-26-1994	-6.78	-	GMD2	Steel Tape	-	11	1.27	TB
JAN-19-1995	-6.88	-	GMD2	Steel Tape	-	10	0.17	TB
APR-20-1995	-6.52	-	GMD2	Steel Tape	-	10	0.53	TB
JUL-19-1995	-5.83	-	GMD2	Steel Tape	-	9	0.22	TB
OCT-25-1995	-6.52	-	GMD2	Steel Tape	-	10	0.53	TB
JAN-24-1996	-6.75	-	GMD2	Steel Tape	-	10	0.30	TB
APR-25-1996	-6.51	-	GMD2	Steel Tape	-	10	0.54	TB
JUL-25-1996	-6.38	-	GMD2	Steel Tape	-	10	0.67	TB
OCT-24-1996	-6.38	-	GMD2	Steel Tape	-	10	0.67	TB
JAN-24-1997	-6.17	-	GMD2	Steel Tape	-	10	0.88	TB
FEB-27-1997	-6.04	-	GMD2	Steel Tape	-	10	1.01	TB
MAR-31-1997	-6.54	-	GMD2	Steel Tape	-	10	0.51	TB
APR-23-1997	-6.46	-	GMD2	Steel Tape	-	10	0.59	TB
MAY-21-1997	-6.63	-	GMD2	Steel Tape	-	10	0.42	TB
JUN-18-1997	-6.19	-	GMD2	Steel Tape	-	10	0.86	TB
JUL-23-1997	-6.46	-	GMD2	Steel Tape	-	10	0.59	TB
AUG-19-1997	-6.26	-	GMD2	Steel Tape	-	10	0.79	TB
SEP-15-1997	-6.11	-	GMD2	Steel Tape	-	10	0.94	TB

OCT-15-1997	-5.59	-	GMD2	Steel Tape	-	10	1.46	TB
NOV-18-1997	-6.15	-	GMD2	Steel Tape	-	10	0.90	TB
DEC-15-1997	-6.33	-	GMD2	Steel Tape	-	10	0.72	TB
JAN-28-1998	-6.03	-	GMD2	Steel Tape	-	10	1.02	TB
FEB-18-1998	-5.99	-	GMD2	Steel Tape	-	10	1.06	TB
MAR-26-1998	-5.63	-	GMD2	Steel Tape	-	9	0.42	TB
APR-22-1998	-5.87	-	GMD2	Steel Tape	-	9	0.18	TB
MAY-18-1998	-6.08	-	GMD2	Steel Tape	-	10	0.97	TB
JUN-16-1998	-6.35	-	GMD2	Steel Tape	-	10	0.70	TB
JUL-22-1998	-5.85	-	GMD2	Steel Tape	-	10	1.20	TB
AUG-25-1998	-6.37	-	GMD2	Steel Tape	-	10	0.68	TB
SEP-17-1998	-6.59	-	GMD2	Steel Tape	-	10	0.46	TB
OCT-15-1998	-6.16	-	GMD2	Steel Tape	-	10	0.89	TB
NOV-19-1998	-5.48	-	GMD2	Steel Tape	-	9	0.57	TB
DEC-14-1998	-5.68	-	GMD2	Steel Tape	-	9	0.37	TB
JAN-20-1999	-5.93	-	GMD2	Steel Tape	-	9	0.12	TB
APR-21-1999	-5.56	-	GMD2	Steel Tape	-	9	0.49	TB
JUL-14-1999	-5.62	-	GMD2	Steel Tape	-	9	0.43	TB
OCT-20-1999	-6.26	-	GMD2	Steel Tape	-	10	0.79	TB
JAN-12-2000	-6.57	-	GMD2	Steel Tape	-	10	0.48	TB
APR-27-2000	-5.87	-	GMD2	Steel Tape	-	9	0.18	TB
JUL-19-2000	-6.46	-	GMD2	Steel Tape	-	10	0.59	TB

OCT-18-2000	-6.79	-	GMD2	Steel Tape	-	11	1.26	TB
JAN-17-2001	-6.55	-	GMD2	Steel Tape	-	10	0.50	TB
MAR-27-2001	-5.69	-	GMD2	Steel Tape	-	9	0.36	TB
APR-18-2001	-5.68	-	GMD2	Steel Tape	-	9	0.37	TB
JUN-26-2001	-5.85	-	GMD2	Steel Tape	-	9	0.20	TB
SEP-25-2001	-6.64	-	GMD2	Steel Tape	-	11	1.41	TB
OCT-24-2001	-6.74	-	GMD2	Steel Tape	-	11	1.31	TB
DEC-18-2001	-6.95	-	GMD2	Steel Tape	-	10	0.10	TB
JAN-16-2002	-7.04	-	GMD2	Steel Tape	-	11	1.01	TB
APR-17-2002	-6.79	-	GMD2	Steel Tape	-	11	1.26	TB
JUL-17-2002	-7.07	-	GMD2	Steel Tape	-	11	0.98	TDB
OCT-24-2002	-6.61	-	GMD2	Electronic-Tape	-	9.56	---	TDB
JAN-29-2003	-6.8	-	GMD2	Electronic-Tape	-	9.75	0.00	TB
APR-17-2003	-6.21	-	GMD2	Electronic-Tape	-	9.16	0.00	TB
JUL-16-2003	-6.84	-	GMD2	Electronic-Tape	-	9.79	0.00	TB
OCT-22-2003	-6.63	-	GMD2	Electronic-Tape	-	9.58	0.00	TB
JAN-21-2004	-7.03	-	GMD2	Electronic-Tape	-	9.98	0.00	TB
APR-26-2004	-6.53	-	GMD2	Electronic-Tape	-	9.48	0.00	TB
JUL-29-2004	-5.72	-	GMD2	Electronic-Tape	-	8.67	0.00	TB
AUG-24-2004	-5.95	-	GMD2	Electronic-Tape	-	8.9	0.00	TB
JAN-26-2005	-6.55	-	GMD2	Electronic-Tape	-	9.5	0.00	TB
APR-26-2005	-6.11	-	GMD2	Electronic-Tape	-	9.06	0.00	TB

JUL-28-2005	-5.87	-	GMD2	Electronic-Tape	-	8.82	0.00	TB
NOV-01-2005	-6.67	-	GMD2	Electronic-Tape	-	9.62	0.00	DR
JAN-24-2006	-6.84	-	GMD2	Electronic-Tape	-	9.79	0.00	DR
APR-04-2006	-6.65	-	GMD2	Electronic-Tape	-	9.6	0.00	DR
JUL-25-2006	-7.24	-	GMD2	Electronic-Tape	-	10.19	0.00	DR
OCT-18-2006	-7.37	-	GMD2	Electronic-Tape	-	10.32	0.00	DR
JAN-05-2007	-6.83	-	GMD2	Electronic-Tape	-	9.78	0.00	DR
APR-12-2007	-6.2	-	GMD2	Electronic-Tape	-	9.15	0.00	DR
JUL-25-2007	-5.4	-	GMD2	Electronic-Tape	-	8.35	0.00	DR
OCT-23-2007	-6.36	-	GMD2	Electronic-Tape	-	9.31	0.00	DR
JAN-15-2008	-6.09	-	GMD2	Electronic-Tape	-	9.04	0.00	DR
APR-07-2008	-6.05	-	GMD2	Electronic-Tape	-	9	0.00	DR
JUL-14-2008	-5.88	-	GMD2	Electronic-Tape	-	8.83	0.00	DR
OCT-08-2008	-6.21	-	GMD2	Electronic-Tape	-	9.16	0.00	DR
JAN-14-2009	-6.3	-	GMD2	Electronic-Tape	-	9.25	0.00	DR
APR-15-2009	-5.71	-	GMD2	Electronic-Tape	-	8.66	0.00	DR
JUL-15-2009	-6.15	-	GMD2	Electronic-Tape	-	9.1	0.00	DR
OCT-14-2009	-6.53	-	GMD2	Electronic-Tape	-	9.48	0.00	DR
JAN-21-2010	-6.7	-	GMD2	Electronic-Tape	-	9.65	0.00	DR
APR-13-2010	-6.5	-	GMD2	Electronic-Tape	-	9.45	0.00	DR
JUL-20-2010	-5.69	-	GMD2	Electronic-Tape	-	8.64	0.00	DR
OCT-12-2010	-6.71	-	GMD2	Electronic-Tape	-	9.66	0.00	DR

JAN-18-2011	-6.75	-	GMD2	Electronic-Tape	-	9.7	0.00	DR
APR-21-2011	-6.8	-	GMD2	Electronic-Tape	-	9.75	0.00	DR
JUL-13-2011	-7.27	-	GMD2	Electronic-Tape	-	10.22	0.00	DR
OCT-10-2011	-7.48	-	GMD2	Electronic-Tape	-	10.43	0.00	DR
JAN-12-2012	-7.35	-	GMD2	Electronic-Tape	-	10.3	0.00	DR
APR-24-2012	-6.79	-	GMD2	Electronic-Tape	-	9.74	0.00	DR
JUL-13-2012	-7.64	-	GMD2	Electronic-Tape	-	10.59	0.00	DR
OCT-11-2012	-8.14	-	GMD2	Electronic-Tape	-	11.09	0.00	DR
JAN-23-2013	-8.83	-	GMD2	Electronic-Tape	-	11.78	0.00	DR
APR-23-2013	-8.05	-	GMD2	Electronic-Tape	-	11	0.00	DR
AUG-05-2013	-5.9	-	GMD2	Electronic-Tape	-	8.85	0.00	DR
OCT-15-2013	-6.59	-	GMD2	Electronic-Tape	-	9.54	0.00	DR
JAN-15-2014	-6.83	-	GMD2	Electronic-Tape	-	9.78	0.00	DR
APR-18-2014	-7.08	-	GMD2	Electronic-Tape	-	10.03	0.00	DR
JUL-23-2014	-6.74	-	GMD2	Electronic-Tape	-	9.69	0.00	DR
OCT-21-2014	-7.03	-	GMD2	Electronic-Tape	-	9.98	0.00	DR
JAN-14-2015	-7.03	-	GMD2	Electronic-Tape	-	9.98	0.00	DR
APR-13-2015	-7.12	-	GMD2	Electronic-Tape	-	10.07	0.00	DR
JUL-27-2015	-7.15	-	GMD2	Electronic-Tape	-	10.1	0.00	DR
OCT-20-2015	-7.86	-	GMD2	Electronic-Tape	-	10.81	0.00	DR
JAN-14-2016	-6.43	-	GMD2	Electronic-Tape	-	9.38	0.00	DR
APR-14-2016	-6.73	-	GMD2	Electronic-Tape	-	9.68	0.00	DR

JUL-21-2016	-5.89	-	GMD2	Electronic-Tape	-	8.84	0.00	DR
OCT-13-2016	-6.05	-	GMD2	Electronic-Tape	-	9	0.00	DR
JAN-11-2017	-6.62	-	GMD2	Electronic-Tape	-	9.57	0.00	DR
APR-19-2017	-5.73	-	GMD2	Electronic-Tape	-	8.68	0.00	DR

[Download](#)

Krueger, Richelle

From: Rebecca Wilson <rwilson@gmd2.org>
Sent: Thursday, May 18, 2017 9:15 AM
To: Krueger, Richelle
Subject: 49601 Application Approval Letter
Attachments: 49601 Application Approval Letter.pdf; 49601 Meter Installation Letter.pdf

Good morning, Richelle!

Attached you will find the Application Approval Letter and Meter Installation Letter from Manager Tim Boese for #49601. I apologize that you did not receive these sooner.

Please let me know if you have any difficulties opening the attachments.

Thanks!

Rebecca Wilson

Rebecca Wilson
Administrative Assistant
Equus Beds GMD2
313 Spruce Street
Halstead, KS 67056
316-835-2224
316-835-2225 Fax
rwilson@gmd2.org
www.gmd2.org

WATER RESOURCES
RECEIVED

MAY 18 2017

KS DEPT OF AGRICULTURE

FRED SEILER, PRESIDENT
VIN KISSICK, VICE PRESIDENT
JEFF WINTER, SECRETARY
MIKE MCGINN, TREASURER
TIM BOESE, MANAGER
THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
DAVID BOGNER
ALAN BURGHART
JOE PAJOR
BOB SEILER
DAVID STROBERG

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 SPRUCE STREET • HALSTEAD, KANSAS 67056-1925 • PHONE (316) 835-2224 • FAX (316) 835-2225 • equusbeds@gmd2.org • www.gmd2.org

February 6, 2017

Chief Engineer, Division of Water Resources
Attn: Richelle A. Krueger
1320 Research Park Drive
Manhattan, Kansas 66502

WATER RESOURCES
RECEIVED

MAY 18 2017

Re: Appropriation Application No. 49601 – Matt Brack

KS DEPT OF AGRICULTURE

Dear Ms. Krueger:

The Equus Beds Groundwater Management District No. 2 reviewed the referenced new application on February 6, 2017, using the District's Revised Management Program (effective May 1, 1995) and Rules and Regulations K.A.R. 5-22-1 through 5-22-17.

The application proposes an overlapping point of diversion with the change in point of diversion application filed on Water Permit No. 47585, and a separate place of use. The application complies with the Revised Aquifer Management program approved by the Chief Engineer and with the District's Rules and Regulations K.A.R. 5-22-1 through 5-22-17. Therefore, the application is recommended for approval by the Equus Beds Groundwater Management District No. 2, subject to the following conditions:

1. The change in point of diversion application filed on Water Permit No. 47585 is approved;
2. The maximum rate of diversion is further limited to 800 GPM when combined with Water Permit No. 47585; and
3. The installation of a water meter installed in a manner so that it only measures the water applied to the place of use authorized by No. 49601, and is metered separately from the place of use authorized by No. 47585.

A District decision may be appealed to the District Board of Directors by submitting a written petition to the District office within 30 days from date of this notification, pursuant to K.A.R. 5-22-12.

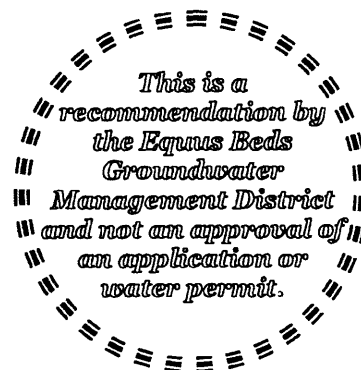
Please contact the District should you have any questions regarding the review or recommendation.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosure

pc: Matt Brack, Applicant
Harold E Swanson Trust, Landowner
Jeff Lanterman, Division of Water Resources, Stafford



EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2 FINAL APPLICATION REVIEW CHECKLIST

1) Application No. 49601 Date filed: March 28, 2016
 2) Proposed maximum quantity: 317.8 acre-feet/year Rate: 800 LTD GPM
 3) Proposed Use: Irrigation
 4) P/D location: SWSWSW 27-23S-5W Geo Center: North 326 ft, West 4754 ft
 5) Number and type of points of diversion listed on the application 4 Well Battery

6) Is the well location on the app the same on the evaluation sheet? Yes No
 7) Meter required K.A.R. 5-22-4a or K.A.R. 5-22-8? Yes No, Why ___
 8) Meets change app requirements K.A.R. 5-22-8? Yes No N/A

9) Meets Safe Yield K.A.R. 5-22-7? Yes No N/A
 9(b) Safe yield total allowable appropriations: 4021 af/yr
 9(a) Safe yield analysis total existing appropriations: 4254.46 af/yr
 9(c) Total appropriations for small user exemptions: 23.90 af/yr
 9(d) Total appropriations for non-consumptive use: 368.00 af/yr
 9(e) Total appropriations for consumptive use: 3868.46 af/yr
 (total existing appropriations) – (non-consumptive appropriations)
 9(f) exempt from regulation? Yes No,
 Cite exemption: _____

10) Meets Well Spacing K.A.R. 5-22-2? Yes No N/A
 10(a) POD in enhanced well spacing area? Yes No
 10(b) Domestic well spacing interval: >960 ft
 10(c) Non-Domestic well spacing interval: >1620 ft

11) Meets Max Reasonable Quantity K.A.R. 5-22-14? Yes No N/A
 11(a) Irrigation max quantity: 1.4 acre-feet / acre
 application paragraph 3 value (acre-feet) / proposed acres = Q
 11(b) Stockwater max quantity: _____ GPD _____ unit
 11(c) Industry max quantity: _____ Acre
 Industry standard: _____
 11(d) Municipal max quantity: _____ GCD
 Lesser of either 200 GCD or
 $1.10 * (X - Y) * 365 d * (z + t)$
 X - Average of last three years usage in Gallons per Capita per Day (GCD)
 Y - water usage for industries that use over 200,000 gal/yr (GCD)
 Z - Projected population in 20 years
 T - Reasonable projected water use for industries that use over 200,000 gallons per year (GCD)
 11(e) Pond max quantity is _____
 (Net evap + seepage)/12 x pond area + any initial fill
 11(f) Groundwater pit max Q: _____
 Net evap * pit area/12

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MAY 18 2017

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12) Reasonable rate for intended use? Yes No N/A
 13) Depth to water: 7 ft bls at observation well: EB 231

14) Date reviewed: January 2, 2017
 15) Reviewed by: S. Flaherty Title: Hydrogeologist
 16) District recommendation: Approve Deny Other, see comment

17) Comments and Calculations:
 Review completed for a new application submitted by Matt Brack for Irrigation use in Reno County.
 Overlapping application 47585 proposes an increase to a battery of 4 wells. If 47585 is approved, Application 49601 and 47585
 will have completely overlapping point of diversions.
 New and independent Place of Use.
 Item #11(a) – 317.8 acre-feet / 227 acres = 1.4 acre-feet / acre.
 Recommend approval, complies with K.A.R. 5-22-1 through K.A.R. 5-22-15
 Subject to approval of change in PD application filed on #47585
 Limited to 800 gpm when combined with #47585
 Installation of meter separate from #47585

FRED SEILER, PRESIDENT
VIN KISSICK, VICE PRESIDENT
JEFF WINTER, SECRETARY
MIKE MCGINN, TREASURER
TIM BOESE, MANAGER
THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
DAVID BOGNER
ALAN BURGHART
JOE PAJOR
BOB SEILER
DAVID STROBERG

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 SPRUCE STREET • HALSTEAD, KANSAS 67056-1925 • PHONE (316) 835-2224 • FAX (316) 835-2225 • equusbeds@gmd2.org • www.gmd2.org

February 6, 2017

Matt Brack
4001 E. Ave. G
Hutchinson, KS 67501

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MAY 18 2017

Re: Appropriation Application No. 49601 and Change Application 47585

Dear Mr. Brack:

KS DEPT OF AGRICULTURE

The Equus Beds Groundwater Management District No. 2 made a recommendation to the Division of Water Resources that Appropriation Application No. 49601 be approved. Pursuant to K.A.R. 5-22-4a, the well battery described in the application must be equipped with a District approved water flowmeter: The well battery geocenter is located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter of Section 27, Township 23 South, Range 5 West, Reno County.

The battery must be properly equipped with an approved meter within 30 days after the approved battery is operational and prior to its operation. If more time is needed to install the meter or modify an existing meter installation, you may request an extension of time. The request must be made to the District before the end of the 30-day period. **Please note that the water flowmeter must be installed in a manner so that it only measures the water applied to the place of use authorized by No. 49601, and is metered separately from the place of use authorized by No. 47585.**

Enclosed is a Flow Meter Installation form to be completed and returned to this office after completion of the meter installation or modifications. A copy of the Division of Water Resources' meter installation notification form (Notice and Proof of Completion of Works) may be substituted for the District form. Upon receiving the completed form, the District will inspect the installation.

Also enclosed is a copy of water meter and installation specifications. The water meter must meet these specifications and the list of certified water meters provided under K.A.R. 5-1-12, for District approval. The list of certified water meters can be obtained by contacting the District or at following link: <http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-flowmeters>. If you have any questions about the District's metering program or the enclosed material, please contact the District for assistance.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosures

Pc: Harold Swanson Trust, Landowner
Jeff Lanterman, Division of Water Resources, Stafford



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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

November 23, 2016

EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO 2
ATTN STEPHEN FLAHERTY
313 SPRUCE ST
HALSTEAD KS 67056


Re: Appropriation of Water, File No. 47,585
Application, File Nos. 49,601 and 49,602

Dear Stephen:

In accordance with your request received in this office on November 22, 2016, the Chief Engineer has extended until December 22, 2016, the time in which to submit your recommendations concerning the application to change the point of diversion under File No. 47,585 and Application, File Nos. 49,601 and 49,602.

If you have any questions, please contact me at (785) 564-6635. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,


Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

Enclosures

pc: Stafford Field Office

SCANNED

File Nos. 47585, 49601, 49602

Krueger, Richelle

From: Krueger, Richelle
Sent: Tuesday, November 22, 2016 2:46 PM
To: 'Steve Flaherty'
Subject: RE: Extension

WATER RESOURCES
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NOV 22 2016

KS DEPT OF AGRICULTURE

Stephen,
I will get those extensions in the mail to you.
Thanks
Richelle

From: Steve Flaherty [mailto:sflaherty@gmd2.org]
Sent: Tuesday, November 22, 2016 2:29 PM
To: Krueger, Richelle
Cc: Equusbeds@gmd2.org
Subject: Extension

COPY

Richelle,

I just received the Bacon Applications and will be able to process 49601 and 49602 shortly. ⁴⁷⁵⁸⁵
Could I please have another 30 day extension on these applications (49601 and 49602)? + 47585

Thank you,

Steve Flaherty, Hydrogeologist
Equus Beds GMD No. 2
313 Spruce Street * Halstead, KS 67056
P: (316) 835-2224 * F: (316) 835-2225
www.gmd2.org

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Manhattan, Kansas 66502
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Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 10, 2016

EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO 2
ATTN STEPHEN FLAHERTY
313 SPRUCE ST
HALSTEAD KS 67056

FILE COPY


Re: Appropriation of Water, File Nos. 47,584; 47,585 and 47,601
Application, File Nos. 49,600; 49,601 and 49,602

Dear Stephen:

In accordance with your request received in this office on October 6, 2016, the Chief Engineer has extended until November 7, 2016, the time in which to submit your recommendations concerning the applications to change the point of diversion under File Nos. 47,584; 47,585 and 47,601, and Application, File Nos. 49,600; 49,601 and 49,602.

If you have any questions, please contact me at (785) 564-6635. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,


Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

Enclosures

pc: Stafford Field Office

SCANNED

Krueger, Richelle

From: Rebecca Wilson <rwilson@gmd2.org>
Sent: Thursday, October 06, 2016 4:56 PM
To: Krueger, Richelle
Subject: Request for Extension - File No. 49601

Richelle,

Steve Flaherty is requesting a 30 day extension from the date of this email to review the Change in Point of Diversion for File No. 49601. He apologizes for the delay, but he recently received numerous advanced copies, and he is now working each application in the order that it was filed.

Please let me know if you have any concerns or questions.

Thanks!

Rebecca

Rebecca Wilson
Administrative Assistant
Equus Beds GMD2
313 Spruce Street
Halstead, KS 67056
316-835-2224
316-835-2225 Fax
rwilson@gmd2.org
www.gmd2.org

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Manhattan, Kansas 66502
(785) 564-6700

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Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

August 24, 2016

EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO 2
ATTN STEPHEN FLAHERTY
313 SPRUCE ST
HALSTEAD KS 67056

FILE COPY


Re: Appropriation of Water, File Nos. 47,584; 47,585 and 47,601
Application, File Nos. 49,600; 49,601 and 49,602

Dear Stephen:

In accordance with your request received in this office on August 23, 2016, the Chief Engineer has extended until September 24, 2016, the time in which to submit your recommendations concerning the applications to change the point of diversion under File Nos. 47,584; 47,585 and 47,601, and Application, File Nos. 49,600; 49,601 and 49,602.

If you have any questions, please contact me at (785) 564-6635. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,


Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

Enclosures

pc: Stafford Field Office

Krueger, Richelle

From: Krueger, Richelle
Sent: Tuesday, August 23, 2016 11:28 AM
To: 'Rebecca Wilson'
Subject: RE: Request for Extension - File No. 47601

Thanks Rebecca, I will get that extension in the mail to you.
Richelle

From: Rebecca Wilson [mailto:rwilson@gmd2.org]
Sent: Tuesday, August 23, 2016 11:25 AM
To: Krueger, Richelle
Subject: Request for Extension - File No. 47601

Richelle,

Steve Flaherty is requesting a 30 day extension from the date of this email to review the Change in Point of Diversion for File No. 47601. He apologizes for the delay, but he has been consumed with completing annual county assessments, which are due to each county by August 25, 2016.

Please let me know if you have any concerns or questions.

Thanks!
Rebecca Wilson
Equus Beds GMD2
313 Spruce, Halstead, KS 67056
316-835-2224
316-835-2225 Fax
rwilson@gmd2.org
www.gmd2.org

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AUG 23 2016
KS DEPT OF AGRICULTURE



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Manhattan, Kansas 66502
(785) 564-6700

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

Jackie McClaskey, Secretary

Governor Sam Brownback

July 28, 2016

EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO 2
ATTN STEPHEN FLAHERTY
313 SPRUCE ST
HALSTEAD KS 67056


Re: Appropriation of Water, File Nos. 47,584; 47,585 and 47,601
Application, File Nos. 49,600; 49,601 and 49,602

Dear Stephen:

In accordance with your request received in this office on July 27, 2016, the Chief Engineer has extended until September 1, 2016, the time in which to submit your recommendations concerning the applications to change the point of diversion under File Nos. 47,584; 47,585 and 47,601, and Application, File Nos. 49,600; 49,601 and 49,602.

If you have any questions, please contact me at (785) 564-6635. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,


Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

Enclosures

pc: Stafford Field Office

SCANNED

Krueger, Richelle

From: Krueger, Richelle
Sent: Wednesday, July 27, 2016 11:50 AM
To: 'Stephen Flaherty'
Cc: Turney, Brent
Subject: RE: Extension

Hi Stephen,
I will get those extensions in the mail.
Thanks,
Richelle

From: Turney, Brent
Sent: Wednesday, July 27, 2016 10:36 AM
To: Krueger, Richelle
Subject: FW: Extension

I think you to get this!

Brent A. Turney, P.G.
Kansas Department of Agriculture
Division of Water Resources
1320 Research Park Drive
Manhattan Kansas 66502
(785) 564-6645
Brent.Turney@kda.ks.gov
www.agriculture.ks.gov

From: Stephen Flaherty [<mailto:sflaherty@gmd2.org>]
Sent: Wednesday, July 27, 2016 10:28 AM
To: Turney, Brent
Subject: RE: Extension

Richelle,

Could I please have an extension on 49601, 49602, 47585, 49600, 47584, and 47601 until I receive the open records request Brent mentioned?

Thanks,
Steve

From: Turney, Brent [<mailto:Brent.Turney@ks.gov>]
Sent: Wednesday, July 27, 2016 10:00 AM
To: Stephen Flaherty
Cc: Pugh, Ginger; Krueger, Richelle
Subject: FW: Extension

Steve,

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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

July 26, 2016

EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO 2
ATTN STEPHEN FLAHERTY
313 SPRUCE ST
HALSTEAD KS 67056


Re: Appropriation of Water, File No. 47,585 and Application, File No. 49,601

Dear Stephen:

In accordance with your request received in this office on July 26, 2016, the Chief Engineer has extended until August 26, 2016, the time in which to submit your recommendations concerning the application to change the point of diversion under File No. 47,585 and Application, File No. 49,601.

If you have any questions, please contact me at (785) 564-6635. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,


Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

Enclosures

pc: Stafford Field Office

SCANNED

Krueger, Richelle

From: Krueger, Richelle
Sent: Tuesday, July 26, 2016 7:29 AM
To: 'Stephen Flaherty'
Cc: Turney, Brent
Subject: RE: Extension

Good Morning Stephen,
I will get an extension out to you on those files. I will let Brent know about the advance copy request.
Have a good day!
Richelle

Richelle Krueger, Environmental Scientist
Kansas Department of Agriculture
Water Appropriation Program
(785) 564-6635
Richelle.Krueger@ks.gov (please note e-mail address change)
www.ksda.gov/dwr

**WATER RESOURCES
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JUL 26 2016

KS DEPT OF AGRICULTURE

From: Stephen Flaherty [mailto:sflaherty@gmd2.org]
Sent: Monday, July 25, 2016 2:25 PM
To: Krueger, Richelle
Subject: Extension

Richelle,

Could I have an extension on 49601 and 47585?
I know Robert Bacon had filed in front of these two files and I have not received them yet.

Also, before I started here at the GMD, we used to get a copy of the application called the 'advance copy'. Who would we have to talk to in order to resume that practice?

Thanks,

Steve Flaherty, Hydrogeologist
Equus Beds GMD No. 2
313 Spruce Street * Halstead, KS 67056
P: (316) 835-2224 * F: (316) 835-2225
www.gmd2.org

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Manhattan, Kansas 66502
(785) 564-6700



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Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

July 1, 2016

EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO 2
ATTN TIM BOESE
313 SPRUCE ST
HALSTEAD KS 67056

Re: Application, File No. 49,601 and Appropriation of Water, File No. 47,585

Dear Tim:

We are enclosing a copy of Application, File No. 49,601 and a copy of the Application to Change the Point of Diversion for File No. 47,585.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendations concerning these applications.

If you have any questions, please contact me at (785) 564-6635. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Richelle A. Krueger".

Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

Enclosures

pc: Stafford Field Office



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

June 8, 2016

HAROLD E SWANSON TRUST
5500 E AVENUE G
HUTCHINSON KS 67501

RE: Appropriation of Water
File No. 47,585
Application
File No. 49,601

Dear Sir or Madam:

This is to advise you that Matt Brack has filed with the Division of Water Resources, Kansas Department of Agriculture, one(1) application for permit to appropriate water for beneficial use, identified as File No. 49,601. File No. 49,601 proposes the appropriation of 317.8 acre-feet of groundwater for irrigation use to be diverted at a diversion rate of 800 gallons per minute from:

one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

Matt Brack and Harold E. Swanson Trust etal also filed with the Division of Water Resources, Kansas Department of Agriculture, one (1) application to change the point of diversion pursuant to Appropriation of Water, File No. 47,585. The applicant proposes to change the authorized point of diversion:

from: one (1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 100 feet North and 4,750 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas,

to: one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

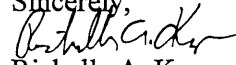
Records in this office indicate that you may have a well or wells in this vicinity and you are notified of receipt of these applications in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter.

OVER →

RE: File Nos. 47,585 and 49,601

If you have any questions, please contact me at (785) 564-6635 or Brent Turney, Change Application Unit Supervisor 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,



Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Matt Brack



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

June 8, 2016

J STANLEY HILL
2402 KIPLING PL
HUTCHINSON KS 67502-2522

RE: Appropriation of Water
File No. 47,585
Application
File No. 49,601

Dear Sir or Madam:

This is to advise you that Matt Brack has filed with the Division of Water Resources, Kansas Department of Agriculture, one(1) application for permit to appropriate water for beneficial use, identified as File No. 49,601. File No. 49,601 proposes the appropriation of 317.8 acre-feet of groundwater for irrigation use to be diverted at a diversion rate of 800 gallons per minute from:

one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

Matt Brack and Harold E. Swanson Trust etal also filed with the Division of Water Resources, Kansas Department of Agriculture, one (1) application to change the point of diversion pursuant to Appropriation of Water, File No. 47,585. The applicant proposes to change the authorized point of diversion:

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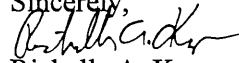
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OVER →

RE: File Nos. 47,585 and 49,601

If you have any questions, please contact me at (785) 564-6635 or Brent Turney, Change Application Unit Supervisor 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,



Richelle A. Krueger

Environmental Scientist

Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Matt Brack

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

June 8, 2016

CRAIG A & RUTH A GIBSON
4013 E ILLINOIS AVENUE
HUTCHINSON KS 67501

RE: Appropriation of Water
File No. 47,585
Application
File No. 49,601

Dear Sir or Madam:

This is to advise you that Matt Brack has filed with the Division of Water Resources, Kansas Department of Agriculture, one(1) application for permit to appropriate water for beneficial use, identified as File No. 49,601. File No. 49,601 proposes the appropriation of 317.8 acre-feet of groundwater for irrigation use to be diverted at a diversion rate of 800 gallons per minute from:

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from: one (1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 100 feet North and 4,750 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas,

to: one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

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OVER →

RE: File Nos. 47,585 and 49,601

If you have any questions, please contact me at (785) 564-6635 or Brent Turney, Change Application Unit Supervisor 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,



Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Matt Brack

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

June 8, 2016

RYAN K AND SAMANTHA L ALMQUIST
4003 E ILLINOIS AVENUE
HUTCHINSON KS 67501

RE: Appropriation of Water
File No. 47,585
Application
File No. 49,601

Dear Sir or Madam:

This is to advise you that Matt Brack has filed with the Division of Water Resources, Kansas Department of Agriculture, one(1) application for permit to appropriate water for beneficial use, identified as File No. 49,601. File No. 49,601 proposes the appropriation of 317.8 acre-feet of groundwater for irrigation use to be diverted at a diversion rate of 800 gallons per minute from:

one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

Matt Brack and Harold E. Swanson Trust etal also filed with the Division of Water Resources, Kansas Department of Agriculture, one (1) application to change the point of diversion pursuant to Appropriation of Water, File No. 47,585. The applicant proposes to change the authorized point of diversion:

from: one (1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 100 feet North and 4,750 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas,

to: one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are notified of receipt of these applications in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter.

OVER →

RE: File Nos. 47,585 and 49,601

If you have any questions, please contact me at (785) 564-6635 or Brent Turney, Change Application Unit Supervisor 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,



Richelle A. Krueger

Environmental Scientist

Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Matt Brack



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

June 8, 2016

ELIZABETH M TERRY TRUST
3419 S YODER RD
HUTCHINSON KS 67501

RE: Appropriation of Water
File No. 47,585
Application
File No. 49,601

Dear Sir or Madam:

This is to advise you that Matt Brack has filed with the Division of Water Resources, Kansas Department of Agriculture, one(1) application for permit to appropriate water for beneficial use, identified as File No. 49,601. File No. 49,601 proposes the appropriation of 317.8 acre-feet of groundwater for irrigation use to be diverted at a diversion rate of 800 gallons per minute from:

one(1) battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, more particularly described as being near a point 326 feet North and 4,754 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.

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OVER →

RE: File Nos. 47,585 and 49,601

If you have any questions, please contact me at (785) 564-6635 or Brent Turney, Change Application Unit Supervisor 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,



Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Matt Brack

SCANNED

Krueger, Richelle

From: Krueger, Richelle
Sent: Monday, May 09, 2016 3:18 PM
To: 'Stephen Flaherty'
Subject: Question about Application File No. 49,601 Matt Brack
Attachments: 49601.pdf

Good Afternoon,

Hope things are well in Halstead, pretty nice day here in Manhattan! Hey, I have begun reviewing a series of change applications and new applications filed by Matt Brack, and I have a question about the place of use for Application File No. 49601. It is proposing a battery of 4 wells with a geocenter located 326'N and 4754'W of SE corner of 27-23S-5W Reno Co. I believe that they are proposing an overlap in point of diversion only with File No. 4758~~4~~5

There is a discrepancy between the map and the qtr qtr description of the proposed place of use for File No. 49601, please see the attached. When you get a chance, can you take a look at the attached and let me know which is correct?

Thanks for your help!

Richelle

Richelle Krueger, Environmental Scientist
Kansas Department of Agriculture
Water Appropriation Program
(785) 564-6635
Richelle.Krueger@kda.ks.gov
www.ksda.gov/dwr

1320 Research Park Drive
Manhattan, Kansas 66502

Jackie McClaskey, Secretary



Phone: (785) 564-6700
Fax: (785) 564-6777
Email: ksag@kda.ks.gov
www.agriculture.ks.gov
Sam Brownback, Governor

March 28, 2016

MATT BRACK
4001 E AVE G
HUTCHINSON KS 67501

RE: Application
File No. 49601

Dear Sir or Madam:

Your application for permit to appropriate water in 27-23S-5W in Reno County, was received and has been assigned the file number noted above.

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. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. 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) 564-6634. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "K. Kopp", written over a white background.

Kenneth A. Kopp, P.G.
New Application Unit Supervisor
Water Appropriation Program

KAK: DLW
pc: STAFFORDField Office
GMD 2

SCANNED

49,601

Application Map for Matt Brack



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

[Signature]
Signature

3-25-14
Date

*1:24000

- New Application
- Application No. _____ To Change:
 - Point of Diversion
 - Place of Use
 - Use Made of Water

- Proposed Point of Diversion
 - Existing Points of Diversion
 - Proposed Place of Use
 - Authorized Place of Use
- * Also to be Authorized by File No 47585*

WATER RESOURCES RECEIVED

MAR 28 2016

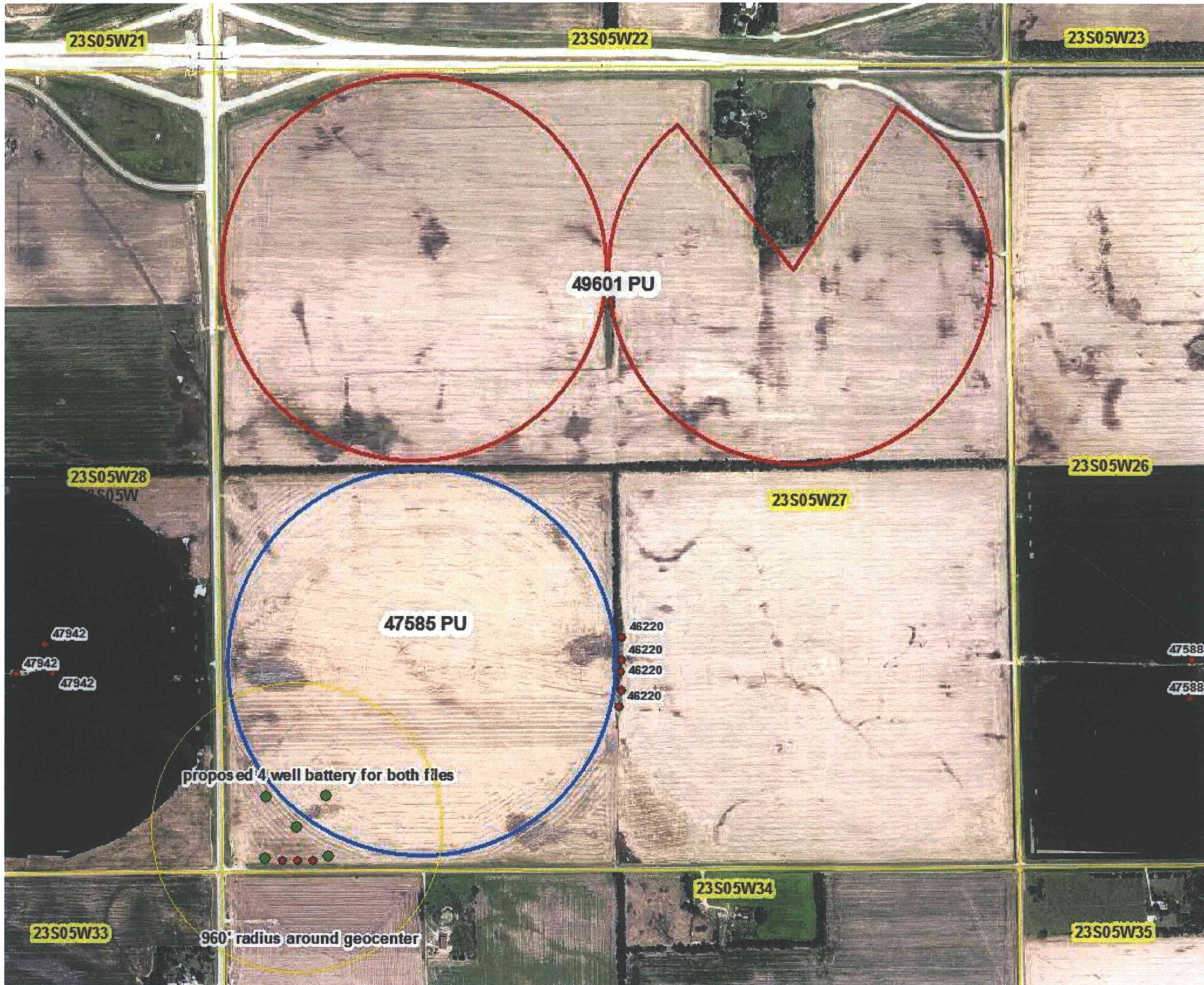
See Attached for Points of Diversion within 1/2 mile of proposed point

* Scale 1/2 mile circle, Section corners added
* RAK/Dwn 6/1/16

KS DEPT OF AGRICULTURE

Completed By GMD2 Staff S. Flaherty - 3/25/2016

SCANNED

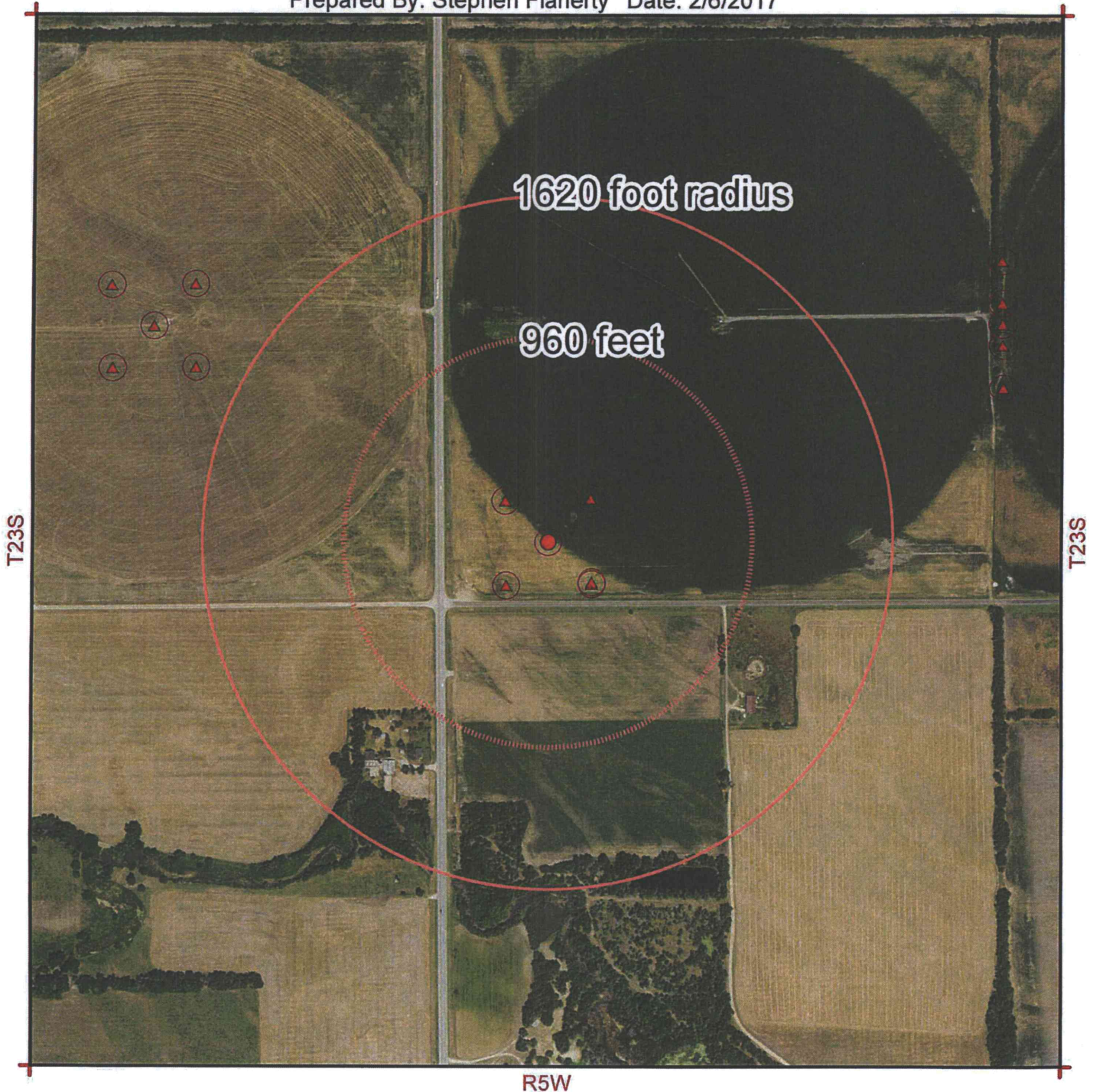


Equus Beds Groundwater Management District No. 2

Spacing Evaluation #49601

SWSWSW (326'N & 4754'W) 27-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 2/6/2017



R5W

0 330 660 1,320 Feet

Map Legend

- | | | | |
|-------------------------|-------------------------------|-----------------------------|--|
| ● Observation Well | ● Proposed Point of Diversion | Burrton IGUCA | |
| ■ Bedrock | ▲ Authorized Location | Hollow Nikkel SWQUA | |
| Authorized Place of Use | | McPherson IGUCA | |
| Proposed Place of Use | | Enhanced Well Spacing Area | |
| | | Application Suspension Area | |

WATER RESOURCES RECEIVED
MAY 18 2017

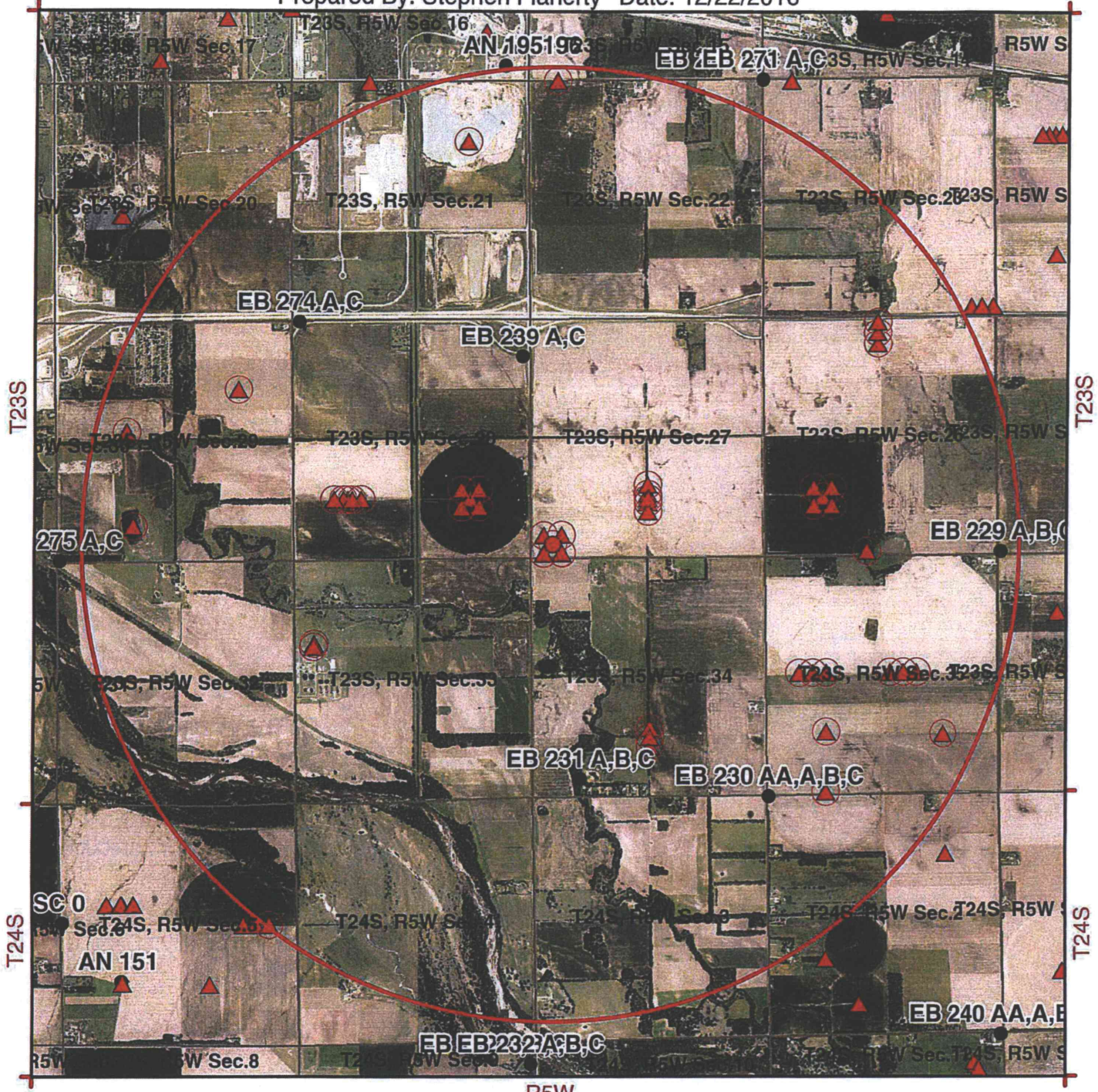
Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67056
316-835-2224, equusbeds@gmd2.org

Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation #49601

SWSWSW (326'N & 4754'W) 27-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 12/22/2016



R5W

0 1,320 2,640 5,280 Feet

Map Legend

- Observation Well
- Bedrock
- Authorized Place of Use
- Proposed Place of Use

● Proposed Point of Diversion
▲ Authorized Location
WATER RESOURCES RECEIVED

- Burrton IGUCA
- Hollow Nickel SWQUA
- McPherson IGUCA
- Enhanced Well Spacing Area

MAY 18 2017

Equus Beds Groundwater Management District No. 2
 313 Spruce Street, Halstead, KS 67056
 316-835-2224, equusbeds@gmd2.org

SAFEYIELD EVALUATION #49601
LOCATION: SWSWSW (326°N & 4754°W) 27-235-05W, Reno County
SPECIAL USE AREA: None
EVALUATION DATE:- 12/22/2016

Total Areas: 8,042 acres; Area in 3 inch discharge zone: 0 acres; Area in 6 inch discharge zone: 8,042 acres

FILE_ID	WELL_ID	TOWNSHIP	RANGE	SECTION	QUALIFIER	USE	AUTHQUANTITY
A03752300	3261	235	05W	33	33544870	IND	0
A03752300	1118	235	05W	33	33544870	IND	27.62
A04091500	1796	235	05W	33	33544870	IND	6.14
A04378800	2687	235	05W	21	39601320	IND	240
A04493100	2914	235	05W	29	38001200	IND	302
A04523900	3007	235	05W	26	46802700	IRR	0
A04523900	2979	235	05W	26	49302700	IRR	215.6
A04523900	3006	235	05W	26	51802700	IRR	0
A04535800	3022	235	05W	35	26784282	IRR	146.3
A04535800	3020	235	05W	35	26784532	IRR	0
A04535800	3021	235	05W	35	26783932	IRR	0
A04535900	3025	235	05W	35	26782300	IRR	184.8
A04535900	3023	235	05W	35	26782500	IRR	0
A04535900	3024	235	05W	35	26781900	IRR	0
A04622000	3284	235	05W	27	14002600	IRR	0
A04622000	3285	235	05W	27	16002600	IRR	0
A04622000	3286	235	05W	27	12002600	IRR	0
A04622000	3287	235	05W	27	10002600	IRR	0
A04622000	3267	235	05W	27	13002600	IRR	184.8
A04734200	3602	235	05W	22	52784600	MUN	645
A04758400	3677	235	05W	28	13314060	IRR	91
A04758400	3678	235	05W	28	13314159	IRR	0
A04758400	3679	235	05W	28	13313762	IRR	0
A04758400P	4890	235	05W	28	13313961	IRR	0
A04758400P	4891	235	05W	28	13314359	IRR	0
A04758500	3711	235	05W	27	3264754	IRR	182
A04758500	3715	235	05W	27	1284552	IRR	0
A04758500	3712	235	04W	27	1244955	IRR	0
A04758500	4883	235	05W	27	5244955	IRR	0
A04758500	4884	235	05W	27	5284552	IRR	0
A04758800	3688	235	05W	26	13203960	IRR	182
A04758800	3689	235	05W	26	15204160	IRR	0
A04758800	3690	235	05W	26	15203760	IRR	0
A04758800	3691	235	05W	26	11204160	IRR	0
A04758800	3692	235	05W	26	11203760	IRR	0
A04760100	3720	235	05W	28	13314060	IRR	91
A04760100	3721	235	05W	28	13313762	IRR	0
A04760100	3722	235	05W	28	13314159	IRR	0
A04760100P	4892	235	05W	28	13313961	IRR	0
A04760100P	4893	235	05W	28	13314359	IRR	0
A04760900	3710	235	05W	35	503960	IRR	182
A04782500	3793	235	05W	29	28903730	IND	10.4
A04790600	3849	245	05W	5	26900655	IRR	0
A04794200	3837	235	05W	28	13201320	IRR	182
A04794200	3838	235	05W	28	15151515	IRR	0
A04794200	3839	235	05W	28	15151125	IRR	0
A04794200	3840	235	05W	28	11251125	IRR	0
A04794200	3841	235	05W	28	11251515	IRR	0
A04801300	3872	235	05W	29	8063604	REC	13.5
A04803400	3874	235	05W	34	13202635	IRR	112
A04803400	3875	235	05W	34	15202635	IRR	0
A04803400	3876	235	05W	34	11202635	IRR	0
A04803400	3877	235	05W	34	13202635	IRR	0
A04907000	4226	235	05W	34	13202635	IRR	103.6
A04907000	4851	235	05W	34	15202635	IRR	0
A04907000	4852	235	05W	34	11202635	IRR	0
A04907000	4855	235	05W	34	13202635	IRR	0
A04958700P	4904	235	05W	35	13101310	IRR	189
A04958800P	4905	235	05W	35	13803940	IRR	94.5
A04960000P	4934	245	06W	13	13314060	IRR	183.4
A04960000P	4935	245	06W	13	13313762	IRR	0
A04960000P	4936	245	06W	13	13313961	IRR	0
A04960000P	4937	245	06W	13	13314159	IRR	0
A04960000P	4938	245	06W	13	13314359	IRR	0
A04960100P	4885	235	05W	27	3264754	IRR	317.8
A04960100P	4886	235	05W	27	5244955	IRR	0
A04960100P	4887	235	05W	27	5284552	IRR	0
A04960100P	4888	235	05W	27	1244955	IRR	0
A04960100P	4889	235	05W	27	1284552	IRR	0
A04960200P	4894	235	05W	26	1112981	IRR	0
A20119045	3785	235	05W	29	38001200	HYD	368
Allowable Appropriations	4,021.00				Total Existing Appropriation		4,254.46
Small User Quantity	23.9				Non Consumptive Appropriations		368
Remaining SUQ	21.1				Consumptive Appropriations		3,886.46
Note- Values are in acre-feet					Available Appropriations		134.54

WATER RESOURCES
RECEIVED

MAY 18 2017

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