

Kansas Department of Agriculture
 Division of Water Resources
CHANGE: P/D WORKSHEET

1. File Number: 14285	2. Status Change Date: 3-6-19	3. Change Num: C5	4. Field Office: 04	5. GMD: 03
6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return				7. Filing Date of Change: 11/19/2018
8a. Landowner, WUC, New to system <input type="checkbox"/> YOST FARMS 1142 RD AA LAKIN KS 67860		Person ID 62677 Add Seq# 1	8c. applicant New to system <input type="checkbox"/> VAUGHN NIGHTENGALE 1452 ROAD W LAKIN KS 67860	
8b. Landowner(s) New to system <input type="checkbox"/> FRED RITSEMA & YOKA RODENHUIS TRUSTS LAKIN DAIRY PO BOX 389 LAKIN KS 67860-0389		Person ID 55237 Add Seq# _____	8d. LANDOWNER New to system <input type="checkbox"/> ALEX W & DANIELLE D REDGER 1599 ROAD 45 LAKIN KS 67860	
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: 12/31/19 <input checked="" type="checkbox"/> N & P Date to Comply: 12/31/20				
<input type="checkbox"/> Anti-Reverse Meter <input type="checkbox"/> Meter Seal <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N & P Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input type="checkbox"/> H & E Letter <input type="checkbox"/> Conservation Plan Date Required: _____ Date Approved: _____ Date to Comply: _____				
10. Use Made of Water From: _____ To: _____				
Date Prepared: 3/6/19 By: MAM Date Entered: _____ By: _____				

Garden City Field Office
2508 Johns Street
Garden City, KS 67846-2804



Phone: 620-276-2901
Fax: 620-276-9315
www.agriculture.ks.gov

Mike Beam, Interim Secretary

Laura Kelly, Governor

March 6, 2019

YOST FARMS
1142 RD AA
LAKIN KS 67860

RE: Water Right, File No. 14285

Dear Sir and Madam:

Enclosed is an order executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file number.

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 flowmeter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

Should you have any questions, please feel free to call this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM:
enclosures
pc:

FRED RITSEMA & YOKA RODENHUIS TRUSTS
LAKIN DAIRY
PO BOX 389
LAKIN KS 67860-0389

(more on back)

ALEX W & DANIELLE D REDGER
1599 ROAD 45
LAKIN KS 67860

GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 6th day of March, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 14,285, dated 6th day of March, 2019 was mailed postage prepaid, first class, US mail to the following:

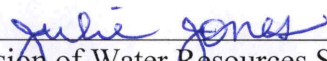
YOST FARMS
1142 RD AA
LAKIN KS 67860

With photocopies to:

FRED RITSEMA & YOKA RODENHUIS TRUSTS
LAKIN DAIRY
PO BOX 389
LAKIN KS 67860-0389

ALEX W & DANIELLE D REDGER
1599 ROAD 45
LAKIN KS 67860

GROUNDWATER MANAGEMENT DISTRICT NO. 3



Division of Water Resources Staff

Submit completed application to:
 Kansas Department of Agriculture
 Division of Water Resources
 Field Office for your area.

Call for address:

Topeka -- (785) 296-5733
 Stafford -- (620) 234-5311
 Stockton -- (785) 425-6787
 Garden City -- (620) 276-2901
<http://agriculture.ks.gov/dwr>

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.
 Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use.

RECEIVED
 4:55 pm
NOV 19 2018

File No. 14285

**Garden City Field Office
 DIVISION OF WATER RESOURCES**

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

Place of Use Point of Diversion

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is: Groundwater Surface water

2. Name and address of Applicant: Vaughn Nightengale
1452 ROAD W, LAKIN 67860
 Phone Number: (620)874-1579 Email address: _____
 Name and address of Water Use Correspondent: _____

Phone Number: () _____ Email address: _____

3. The presently authorized place of use is:
 Owner of Land ---- NAME: _____
 ADDRESS: _____
 (If there is more than one landowner, attach supplemental sheets as necessary.)

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

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:
 Owner of Land ---- NAME: _____
 ADDRESS: _____
 (If there is more than one landowner, attach supplemental sheets as necessary.)

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

For Office Use Only: Code _____ Fee \$ 200.00 TR # _____ Receipt Date 11-19-18 Check # 3744

5. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ NC Quarter of the _____ SE Quarter
 of Section _____ 27 _____, Township _____ 25 _____ South, Range _____ 36 _____ W,
 in KE _____ County, Kansas, _____ 1293 _____ feet North _____ 1346 _____ feet West of Southeast corner of section.
 Authorized Rate _____ 795 GPM _____ Authorized Quantity _____ 291 AF _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. 06 GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ NE Quarter of the _____ NE Quarter of the _____ SE Quarter
 of Section _____ 27 _____, Township _____ 25 _____ South, Range _____ 36 _____ W,
 in KE _____ County, Kansas, 2182 feet North 506 feet West of Southeast corner of section.
 Proposed Rate _____ 795 GPM _____ Proposed Quantity ~~291~~ 291 AF Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

*fmm/dwr * 2182' N, 506' West*

6. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ NC Quarter of the _____ NE Quarter
 of Section _____ 27 _____, Township _____ 38 25 _____ South, Range _____ 36 _____ W,
 in KE _____ County, Kansas, _____ 3937 _____ feet North _____ 1314 _____ feet West of Southeast corner of section.
 Authorized Rate _____ 870 GPM _____ Authorized Quantity _____ 294 AF _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. 03 GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter
 of Section _____, Township _____ South, Range _____ (E/W),
 in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

7. The changes herein are desired for the following reasons?
 (please be specific) _____

8. If a well, is the test hole log attached? Yes No

9. The change(s) (was)(will be) completed by?

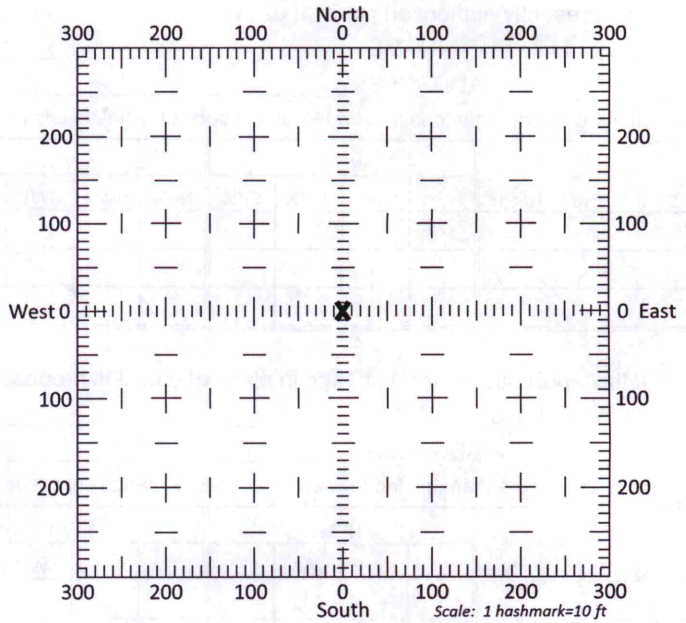
10. If the point of diversion is a well:
 (a) What are you going to do with the old well?

 (b) When will this be done? _____

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by _____

13a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines



13b. If the proposed point of diversion will be relocated within 300 feet of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?
 Yes No (If no, all owners must sign this application.)
 - (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?
 Yes No (If yes, all owners must sign this application.)
 - (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?
 Yes No (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at _____, Kansas, this _____ day of _____, 20_____.

 (Owner)
 Alex Redger
 (Please Print)

 (Owner)
 Fred Ritzema
 (Please Print)

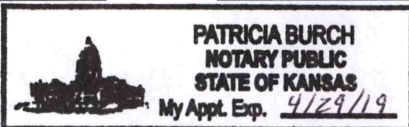
 (Owner)

 (Spouse)
 Danielle Redger
 (Please Print)

 (Spouse)
 Y. Rodenhuis
 (Please Print)

 (Spouse)

 (Please Print)
 State of Kansas }
 County of Kearny } SS



I hereby certify that the foregoing application was signed in my presence and sworn to before me this 20th day of November, 2018.

 Notary Public

My Commission Expires 4/29/2019.

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

FEE SCHEDULE

- Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**
- (1) Application to change a point of diversion 300 feet or less \$100
 - (2) Application to change a point of diversion more than 300 feet \$200
 - (3) Application to change the place of use \$200

RECEIVED

NOV 27 2018

File No. 14285

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?
 Yes No (If no, all owners must sign this application.)
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 Yes No (If yes, all owners must sign this application.)
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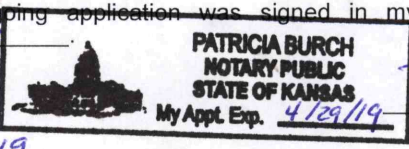
I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at _____, Kansas, this _____ day of _____, 20_____.

<p><u>[Signature]</u> _____ (Owner)</p> <p><u>Tim Yost</u> _____ (Please Print)</p> <p><u>Chris Yost</u> _____ (Owner)</p> <p><u>Chris Yost</u> _____ (Please Print)</p> <p><u>[Signature]</u> _____ (Owner)</p> <p><u>Dale Yost</u> _____ (Please Print)</p>	<p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p>
---	---

State of Kansas }
 County of Kearny } SS

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[Signature]

Notary Public

My Commission Expires 4/29/2019

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RECEIVED
NOV 27 2018

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:

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 Yes No (If no, all owners must sign this application.)
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I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Warden City, Kansas, this 19th day of November, 2018.

Yost Farms by Carl [Signature]
(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

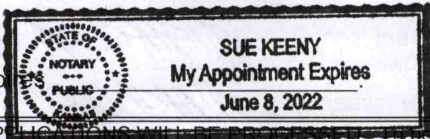
(Please Print)

(Please Print)

State of Kansas }
County of Finney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 19th day of November, 2018.

My Commission Expires



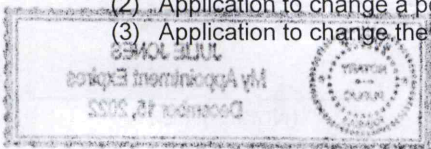
Sue Keeny
Notary Public

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- (3) Application to change the place of use \$200



SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law*, K.S.A. 82a-701 *et seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 14285.

1. A change application was received on November 19, 2018 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 300 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable Not Applicable
5. The point(s) of diversion authorized herein shall not actually be located more than _____ feet from the previously authorized point(s) of diversion. Applicable Not Applicable
6. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
7. **The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2019**, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
8. **Installation of the works for diversion of water shall be completed on or before December 31, 2019**, or within any authorized extension of time. By March 1, 2020 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
9. **The completed well log shall be submitted with the required notice.** Applicable Not Applicable
10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
11. Additional Conditions are attached. Yes No
12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

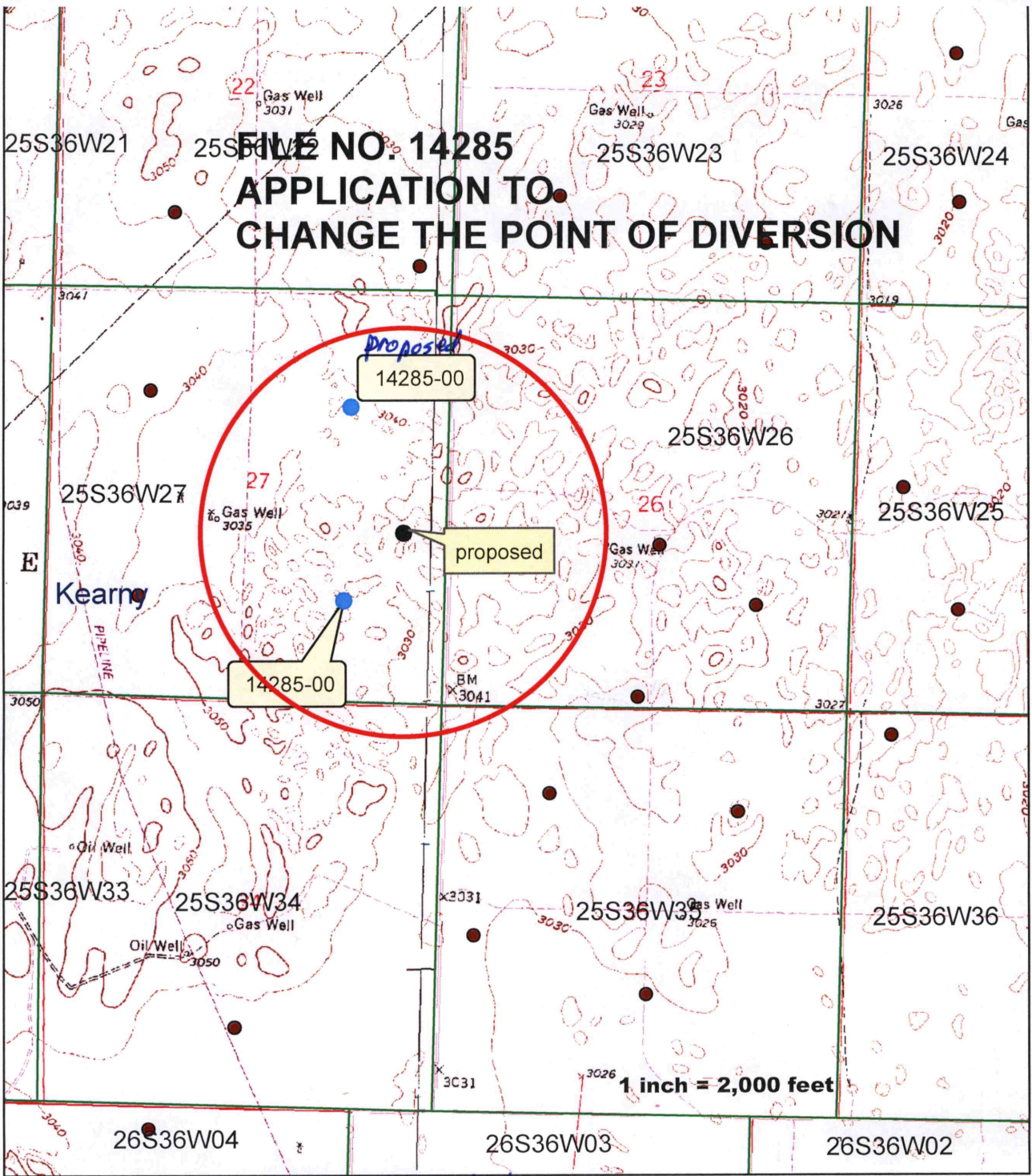
If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for administrative review by the Secretary must be filed within **30 days** pursuant to K.S.A. 77-531. Any request for administrative review must state a basis for review pursuant to K.S.A. 77-527. File any request with **Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS 66502**. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act.

For Use by Register of Deeds

FOR OFFICE USE ONLY
**APPLICATION APPROVED AND
SUMMARY ORDER ISSUED**

By: Michael A. Meyer
Duly Authorized Designee of the Chief Engineer
(Print Name): MICHAEL A. MEYER
Division of Water Resources - Kansas Department of Agriculture
Date of Issuance: MARCH 6, 2019
State of Kansas)
County of Stimney) SS
Acknowledged before me on March 6, 2019
by Michael A. Meyer
Signature: Julie Jones
My commission expires: _____



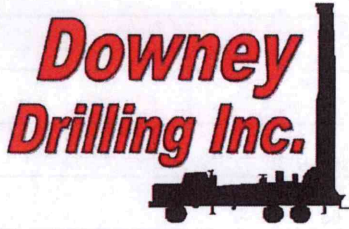


x *see attached*
 applicant signature
 ALL WELLS WITHIN ONE HALF MILE BEEN PLOTTED

Updated correct map - mm/owr 2-21-19

WELL LOG

DATE: 02/14/2019



TEST HOLE #7

CUSTOMER NAME: VAUGHN NIGHTENGALE

LEGAL: SE 27-25S-36W

COUNTY: KEARNEY

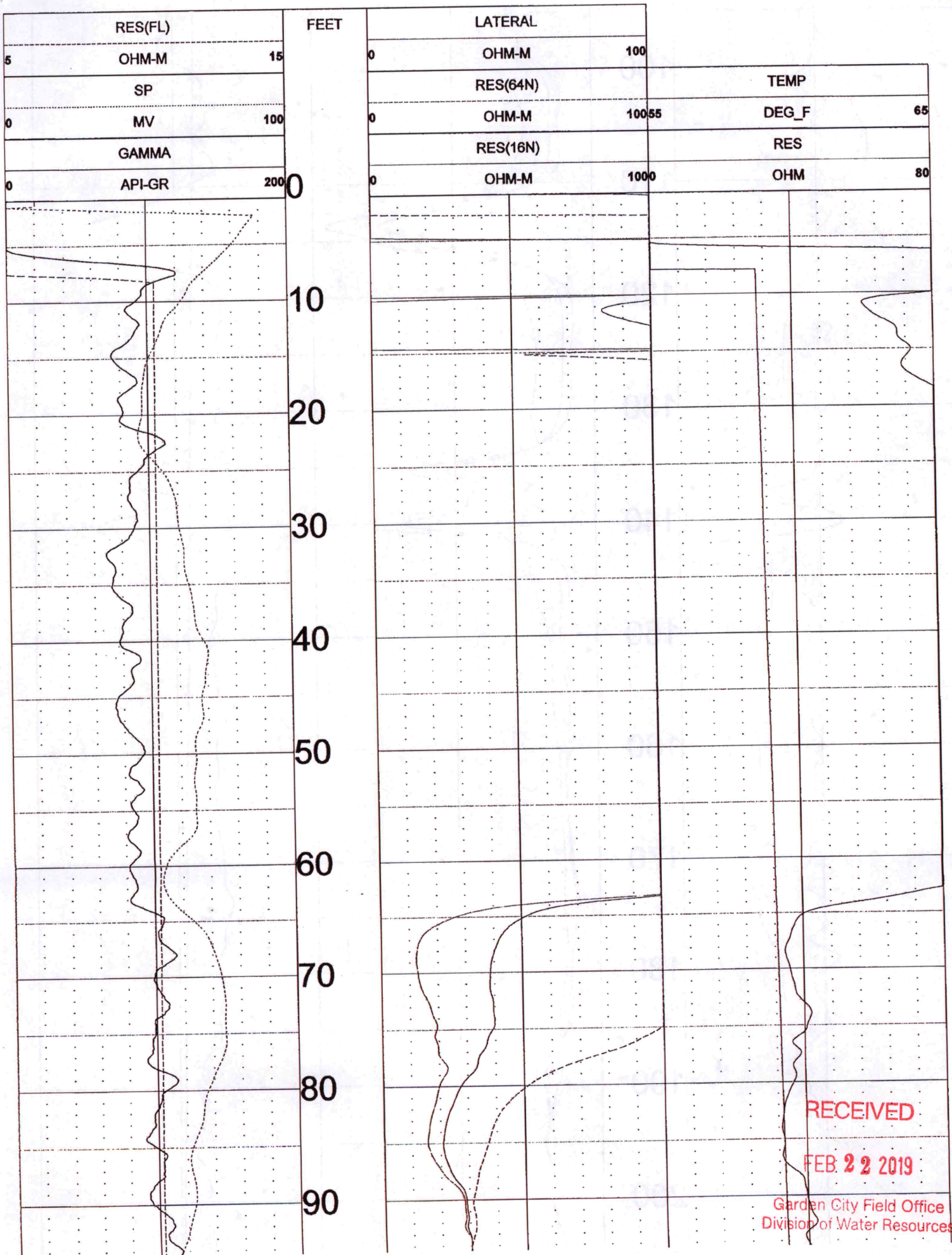
GPS: 37° 50' 56" N

101° 15' 05" W

DRILLER:

WO: 18-793

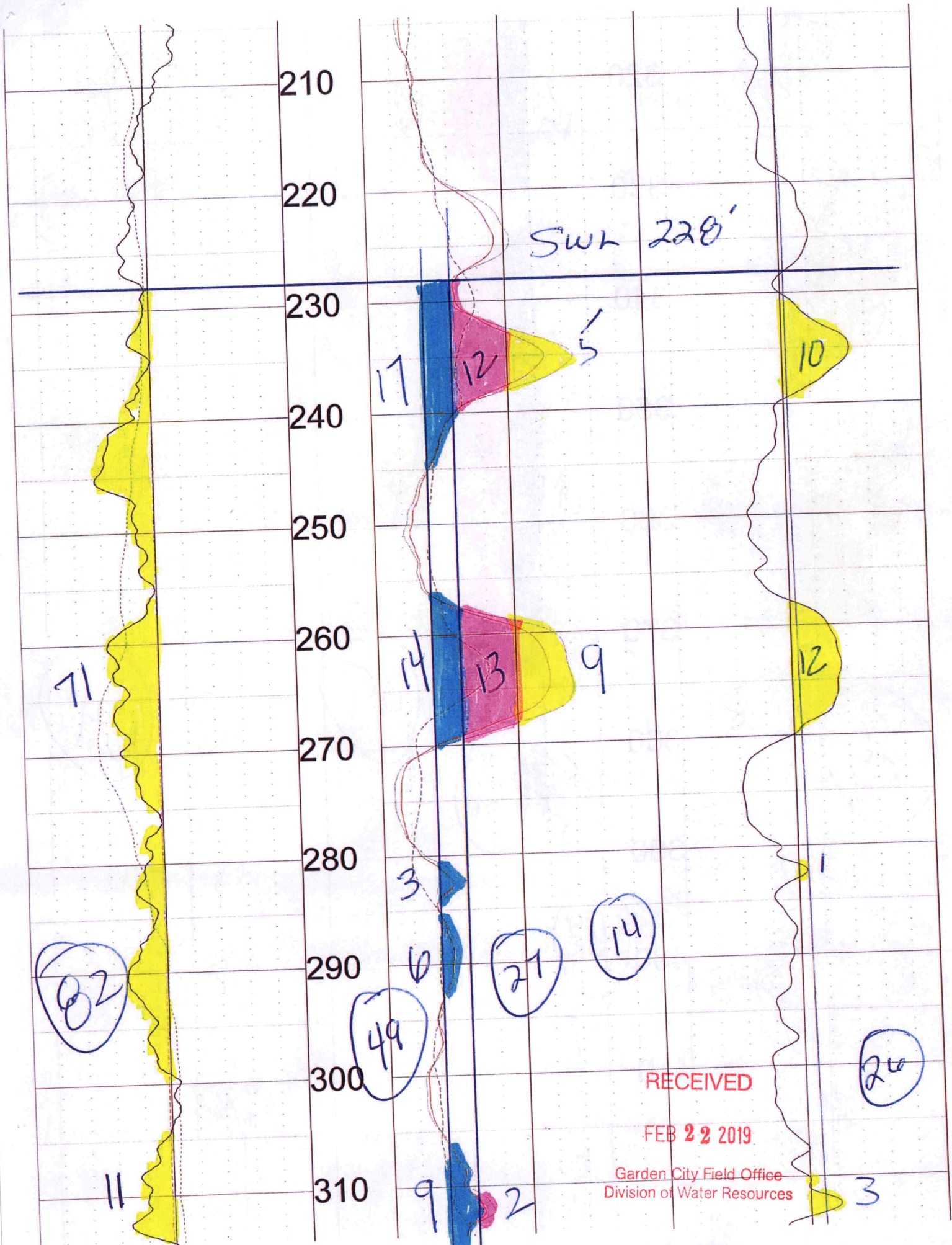
TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	12	TOP SOIL FINE SAND WITH LAYERS OF SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	12	24	MEDIUM COARSE GRAVEL	SOFT	RED	FAST		CHATTER
	24	60	FINE-MEDIUM COARSE GRAVEL (COARSE GRAVEL AT 58 - 60)	SOFT	RED	FAST		CHATTER
	60	80	SILTY CLAY	SOFT	TAN	FAST		SMOOTH
	80	100	SANDY CLAY WITH FINE SAND LENSES	SOFT	TAN	FAST		SMOOTH
	100	141	SANDY CLAY WITH FINE SAND LENSES AND FINE GRAVEL LENSES	SOFT	TAN	FAST		SLIGHT CHATTER
	141	200	BLUE CLAY WITH SMALL FINE SAND LAYERS	SOFT	BLUE	FAST		SMOOTH
	200	217	SANDY CLAY MIX W/TR. BLUE CLAY	SOFT	BLUE/TAN	FAST		SMOOTH
	217	245	FINE-MEDIUM GRAVEL W/FINE MEDIUM COARSE SAND	SOFT	RED	FAST		FAST CHATTER
	245	257	FINE SAND WITH SILTY CLAY	SOFT	TAN	FAST		SLIGHT CHATTER
	257	275	FINE-MEDIUM COARSE GRAVEL AND FINE MEDIUM COARSE SAND	SOFT	RED	FAST		FAST CHATTER
	275	282	SILTY CLAY	SOFT	TAN	FAST		SMOOTH
	282	313	SANDY CLAY, SILTY CLAY, FINE SAND	SOFT	TAN	FAST		SMOOTH
	313	340	FINE, MEDIUM, COARSE SAND	SOFT	RED	FAST		CHATTER
X	340	374	FINE-MEDIUM COARSE SAND SANDSTONE BROWN ROCK	SOFT	BROWN	FAST		SOME CHATTER
X	374	400	SILTY CLAY AND SOFT SHALE	SEMI DENSE	BROWN/BLACK	FAST		SMOOTH
X	400	420	FINE SAND	SOFT	GRAY	FAST		SLIGHT CHATTER
X	420	447	BLACK SOFT SHALE WITH TRACES OF RED CLAY	FIRM	BLACK/RED	SLOW		SMOOTH
X	447	455	FINE SAND	SOFTER	GRAY	FASTER		SLIGHT CHATTER
X	455	470	SHALE	DENSE	BLACK	SLOW		SMOOTH
X	470	500	FINE SAND	SOFTER	GRAY	FASTER		SLIGHT CHATTER
X	500	540	SHALE W/ SILTY CLAY	DENSE	BLACK/TAN	SLOW		SMOOTH
			CEMENTED SAND OR LIMESTONE AT 500 AND 515 LAYER	HARD		SLOW		CHOPPY
			QUIK GEL - 23 BAGS					58' ANCHOR
			SODA ASH - 2 BAGS					170' TOTAL
			BRAN - 2 BAGS					
			LIME - 15 CUPS					
			WATER LOADS - 7					
			STARTED TAKING LOTS OF WATER FROM 400 TO 540					
			RIG FACED NORTH					



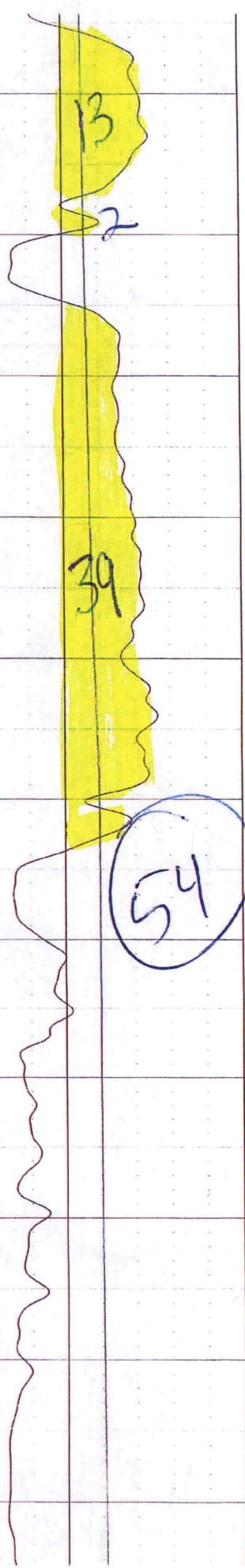
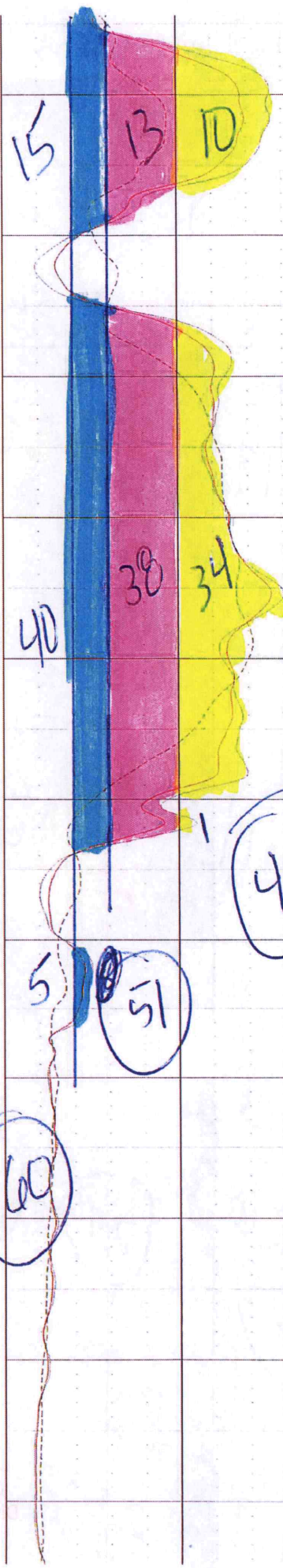
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FEB 22 2019

Garden City Field Office
Division of Water Resources



320
330
340
350
360
370
380
390
400
410
420

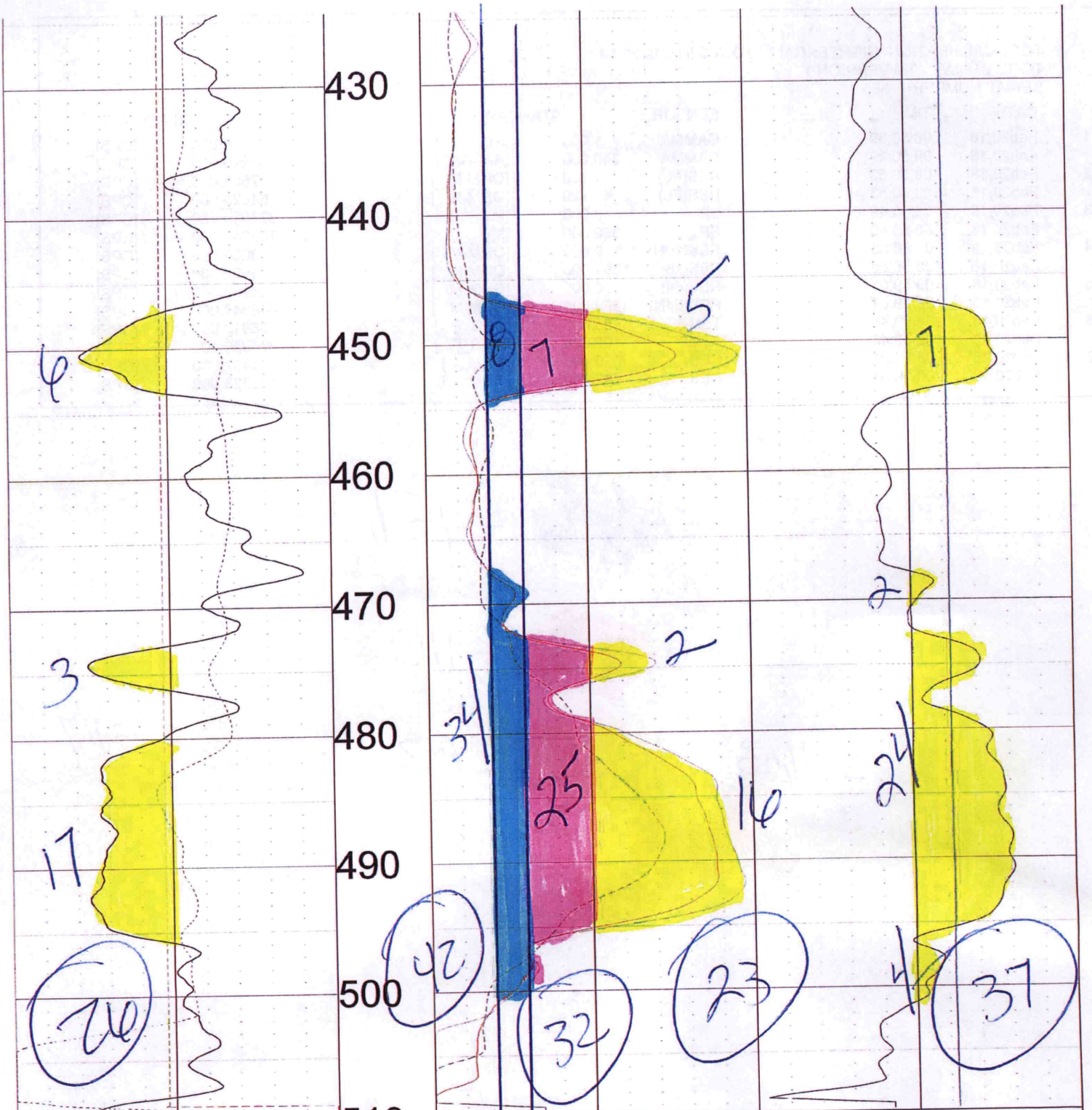


55

60

45

54



0	API-GR	200
	GAMMA	
0	MV	100
	SP	
5	OHM-M	15
	RES(FL)	

0	OHM-M	1000
	RES(16N)	
0	OHM-M	10055
	RES(64N)	
0	OHM-M	100
	LATERAL	

0	OHM	80
	RES	
0	DEG_F	65
	TEMP	

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Garden City Field Office
Division of Water Resources

TOOL CALIBRATION NIGHTENGALE/ YOST 02/14/19 20:19
 TOOL 8144A TM VERSION 1
 SERIAL NUMBER 365


	DATE	TIME	SENSOR		STANDARD		RESPONSE
1	Feb20,18	08:50:39	GAMMA	1.000	[API-GR]	0.000	[CPS]
	Feb20,18	08:50:39	GAMMA	340.000	[API-GR]	290.000	[CPS]
2	Feb20,18	08:50:53	RES(FL)	1.330	[OHM-M]	7595.000	[CPS]
	Feb20,18	08:50:53	RES(FL)	42.720	[OHM-M]	64820.000	[CPS]
3	Feb20,18	08:58:49	SP	0.000	[MV]	327616.000	[CPS]
	Feb20,18	08:58:49	SP	390.000	[MV]	165246.000	[CPS]
4	Feb20,18	08:58:55	RES(16N)	0.000	[OHM-M]	3636.000	[CPS]
	Feb20,18	08:58:55	RES(16N)	1954.000	[OHM-M]	449522.000	[CPS]
5	Feb20,18	08:59:01	RES(64N)	0.000	[OHM-M]	3153.000	[CPS]
	Feb20,18	08:59:01	RES(64N)	1989.000	[OHM-M]	449347.000	[CPS]
6	Feb20,18	08:50:45	TEMP	33.400	[DEG_F]	66910.000	[CPS]
	Feb20,18	08:50:45	TEMP	102.300	[DEG_F]	270930.000	[CPS]
7	Feb20,18	08:59:07	RES	0.000	[OHM]	4432.000	[CPS]
	Feb20,18	08:59:07	RES	943.000	[OHM]	173223.000	[CPS]

 = 151

 = 110

 = 1103

 = 02

 = 117



Century GEOPHYSICAL CORP.

NIGHTENGALE/ YOST

COMPANY : DOWNEY DRILLING INC
WELL : NIGHTENGALE/ YOS
LOCATION/FIELD : TEST HOLE #
COUNTY : KEARNY
LOCATION : NE/SEAS
SECTION : 27

OTHER SERVICES:

TOWNSHIP : 25S RANGE : 36W

DATE : 02/14/1
DEPTH DRILLER : 540
LOG BOTTOM : 509.6
LOG TOP : 1.0

PERMANENT DATUM : GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL

KB :
DF :
GL :

CASING DIAMETER : 10.
CASING TYPE :
CASING THICKNESS:

LOGGING UNIT : 1319
FIELD OFFICE : DDI
RECORDED BY : TOM

BIT SIZE : 6.25
MAGNETIC DECL. : 0
MATRIX DENSITY : 2.71
NEUTRON MATRIX : LIMESTON

BOREHOLE FLUID : MUD
RM :
RM TEMPERATURE :
MATRIX DELTA T : 49

FILE : ORIGINA
TYPE : 8144A
LGDATE: 02/14/19
LGTIME : 20:19:
THRESH: 99999

N 37.84880
W 101.25133

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

RECEIVED

FEB 14 1999

Division of Water Resources
New York City Field Office

WELL LOG

DATE: 2-14-18

Downey Drilling Inc.

LEXINGTON, NE
ALLIANCE, NE
GARDEN CITY, KS



CUSTOMER NAME: Vaughn Nightengale TH#7

LEGAL: SE 27-25N-36W

COUNTY: Kearney Co. KS

GPS: 37.848800 37° 50' 56" N

-101.251331 101° 15' 5" W

Quikgel / 14H 14H

Soda Ash / 1 lime / 14H 1

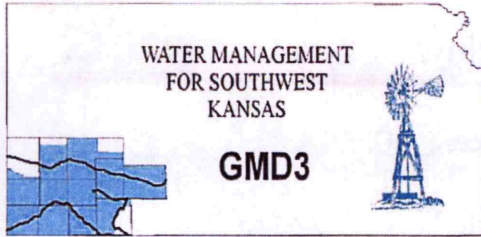
DRILLER:

WO: 18-793

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	24	top soil fine sand w/ layers of sandy clay	soft	brown	fast		smooth
			small chatter @ 11 + 24 fine gravel		red	fast		chatter
	24	60	fine gravel coarse gravel @ 58-60	soft	red	fast		chatter
	60	80	silty clay	soft	tan	fast		smooth
	80	100	sandy clay w/ fine sand lenses	soft	tan	fast		smooth
	100	120	sandy clay w/ fine sand lenses + fine gravel lenses	soft	tan	fast		slight chatter
	120	200	blue clay small fine sand layers	soft	blue	fast		smooth
			medium coarse gravel layer @ 242-243	soft	red	fast		chatter
	200	220	blue clay sandy clay mix	soft	blue tan	fast		smooth
	220	243	fine gravel fine sand	soft	red	fast		fast chatter
	243	261	fine sand w/ silty clay	soft	tan	fast		smooth
	261	275	fine gravel fine sand	soft	red	fast		fast chatter
	275	282	silty clay	soft	tan	fast		smooth
	282	320	sandy clay silty clay fine sand	soft	tan	fast		smooth
			fine sand layer 312-313	soft	red	fast		chatter
	320	340	sandy clay fine sand fine sand	soft	red	fast		smooth
	340	380	fine sand sandstone brown rock	firm		fast		smooth
	380	400	silty clay soft shale	soft	brown black	fast		smooth
	400	420	fine sand	soft		fast		smooth
	420	460	black soft shale trace of red clay	firm	black red	slow		smooth
	460	500	black soft oily shale	soft	black	slow		smooth
	500	540	black oily shale w/ silty clay	tight	black tan	slow		smooth
			cemented sand or limestone @ 500 + 515 layer	hard		slow		choppy
			Quikgel 23 bags					
			Soda Ash 2 bags					
			bran 2 bags					
			lime 15 cups					
			Water loads 7					
			Started taking lots of water from 400-540					
			Big faced North					

RECEIVED

FEB 22 2018



Southwest Kansas
Groundwater Management District No. 3
2009 E. Spruce Street
Garden City, Kansas 67846
(620) 275-7147 phone (620) 275-1431 fax
www.gmd3.org

March 5, 2019

Michael A. Meyer
Division of Water Resources
2508 N Johns Street
Garden City, Kansas 67846

RE: Application for Change in Point of Diversion
Water Right, File Nos. 14285

Dear Mike:

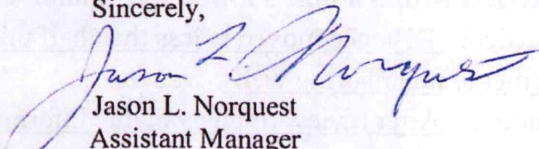
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that in no case did the net effect on neighboring wells exceed the 4.0 ft maximum allowable threshold. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the applications be approved.

Thank you for the opportunity to review the applications and to provide a recommendation. If you have any questions, please don't hesitate to contact us.

Sincerely,


Jason L. Norquest
Assistant Manager

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MAR 05 2019

GMD3 Change Review

File No(s): 14285.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Vaughn Nightengale.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? .

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) 06 being changed.

	ft. North	ft. West	
Authorized PD	1293	1346	Sect 27-25-36
Proposed PD	2182	506	
Difference	-889 n	840 e	
$a^2 + b^2 = c^2$	790321	705600	1223.078 foot move NE

GPS for proposed PD: Lat: 37.848800 Long: -101.251331.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No change.

Land Owner(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Neighboring certified well(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Domestic well(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Saturated thickness I area around 290', so maximum added drawdown is 4' or less.

All wells analyzed within a mile showed less than 2' effect, well within criteria.

Is a waiver needed: Distance moved is less than half mile. Minimum spacing requirements met to neighboring wells.

Recommendation: After review of all available information, it appears all current area rules are met. Well analysis show the proposed move to have <2' effect, well below the criteria of no more than 4' effect.



14267 ID 1: Drawdown from current location = 1.27 ft
Drawdown from proposed location = 2.09 ft
Net drawdown = **0.8 ft**

14267 ID 7: Drawdown from current location = 1.58 ft
Drawdown from proposed location = 2.09 ft
Net drawdown = **0.6 ft**

14278 ID 9: Drawdown from current location = 1.13 ft
Drawdown from proposed location = 2.28 ft
Net drawdown = **1.1 ft**

14278 ID 7: Drawdown from current location = 0.97 ft
Drawdown from proposed location = 1.7 ft
Net drawdown = **0.7 ft**

26068 ID 3: Drawdown from current location = 0.91 ft
Drawdown from proposed location = 1.83 ft
Net drawdown = **0.9 ft**

19155 ID 6: Drawdown from current location = 1.18 ft
Drawdown from proposed location = 2.42 ft
Net drawdown = **1.2 ft**

19155 ID 4: Drawdown from current location = 0.99 ft
Drawdown from proposed location = 1.89 ft
Net drawdown = **0.9 ft**

19155 ID 7: Drawdown from current location = 1.21 ft
Drawdown from proposed location = 2.21 ft
Net drawdown = **1.0 ft**

19154 ID 5: Drawdown from current location = 1.28 ft
Drawdown from proposed location = 2.13 ft
Net drawdown = **0.8 ft**

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MAR 2 2011

City of Portland
Water Resources Department

Domestic 35-25-36:

Drawdown from current location = 1.15 ft

Drawdown from proposed location = 1.74 ft

Net drawdown = 0.6 ft

Domestic 23-25-36:

Drawdown from current location = 0.94 ft

Drawdown from proposed location = 1.94 ft

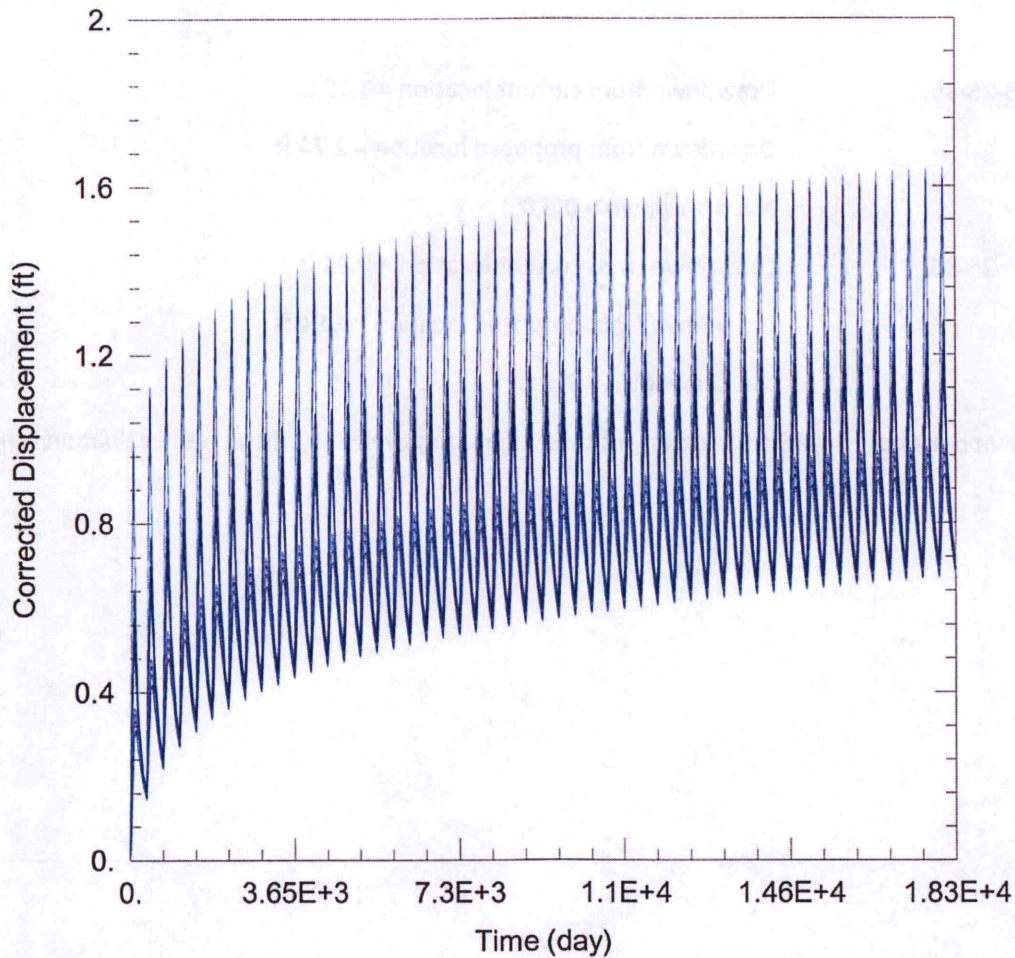
Net drawdown = 1.0 ft

Net drawdown does not exceed 4.0 ft on any of the neighboring wells, so critical well evaluation is not necessary.

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MAR 05 2019

Garden City Field Office
Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\14285\14285 Current.aqt
 Date: 03/04/19 Time: 16:14:11

PROJECT INFORMATION

Company: GMD 3
 Project: 14285 ID6
 Location: Kearney County
 Test Well: 14285 ID6

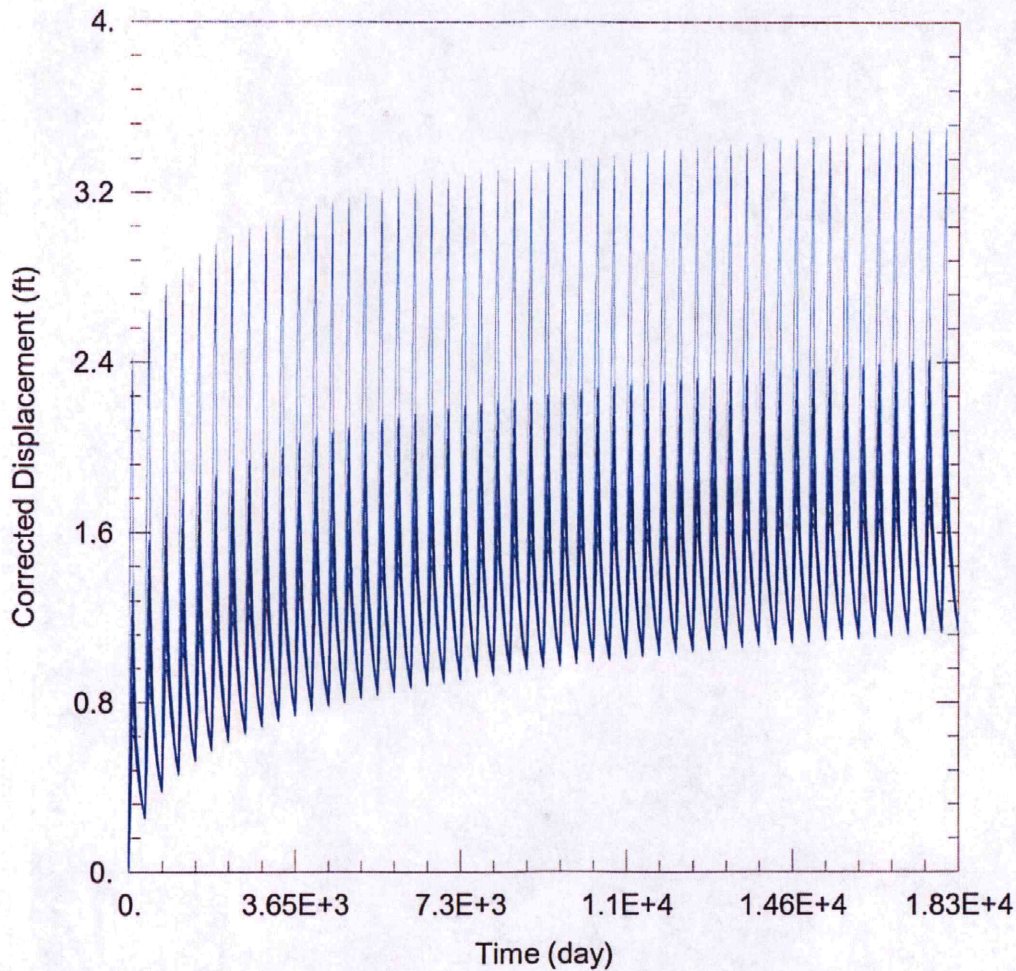
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
14285 ID6	-131327	354008

Observation Wells

Well Name	X (ft)	Y (ft)
□	-131327	354008
□ 14285 ID3	-131280	356534
□ 14267 ID1	-133903	356686
□ 14267 ID7	-134014	354022
□ 14278 ID9	-130424	358357
□ 14278 ID7	-133626	359005
□ 26068 ID3	-128613	359308
□ 19155 ID6	-127231	354804
□ 19155 ID4	-125961	354041
□ 19155 ID7	-127480	352828
□ 19154 ID5	-128601	351559
□ Domestic 35-25-36	-129785	349949
□ Domestic 23-25-36	-127675	358340



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\14285\14285 Proposed.aqt
 Date: 03/05/19 Time: 10:14:19

PROJECT INFORMATION

Company: GMD 3
 Project: 14285 ID6
 Location: Kearney County
 Test Well: 14285 ID6

WELL DATA

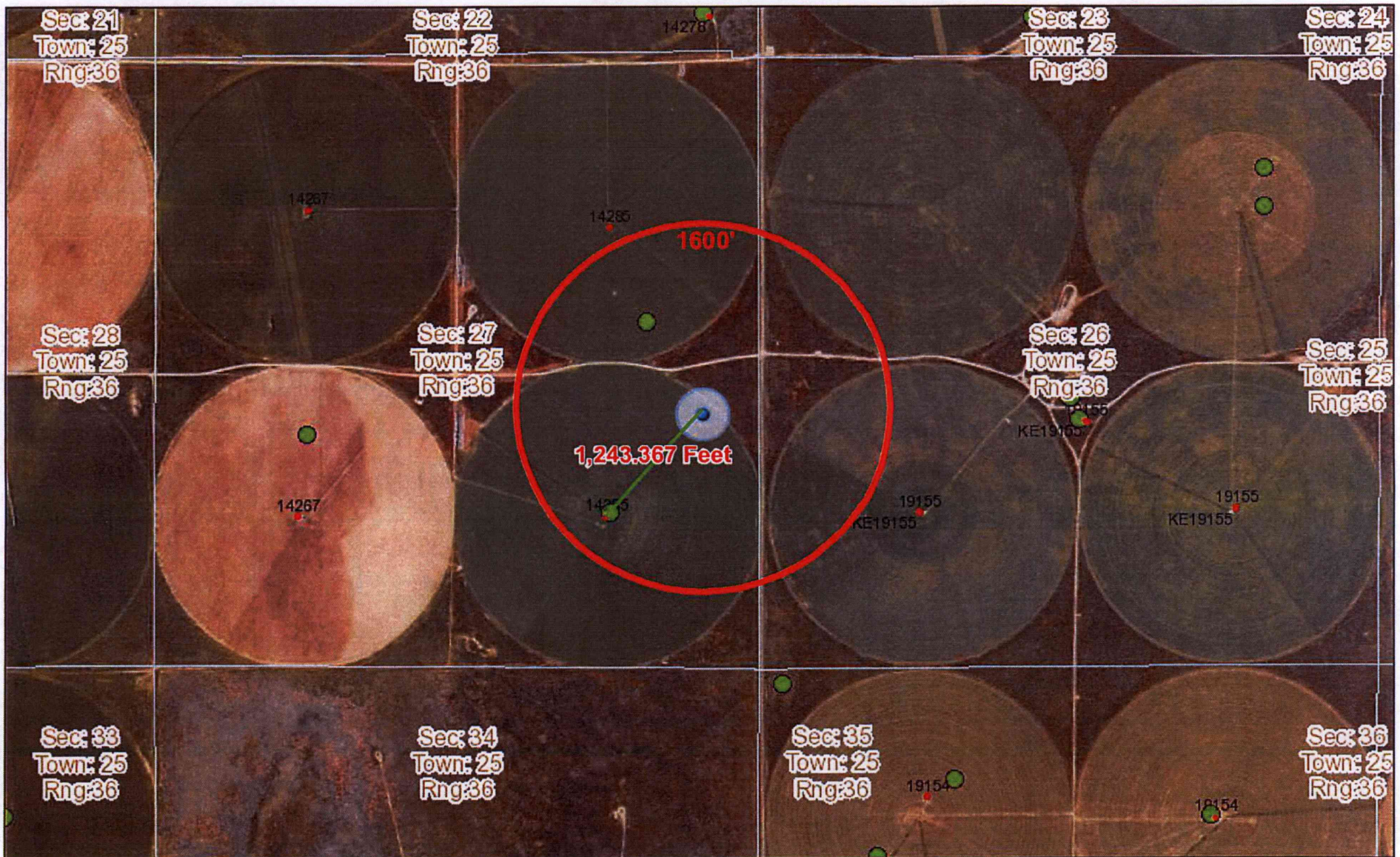
Pumping Wells

Well Name	X (ft)	Y (ft)
14285 ID6	-130385	354940

Observation Wells

Well Name	X (ft)	Y (ft)
□	-130385	354940
□ 14285 ID3	-131280	356534
□ 14267 ID1	-133903	356686
□ 14267 ID7	-134014	354022
□ 14278 ID9	-130424	358357
□ 14278 ID7	-133626	359005
□ 26068 ID3	-128613	359308
□ 19155 ID6	-127231	354804
□ 19155 ID4	-125961	354041
□ 19155 ID7	-127480	352828
□ 19154 ID5	-128601	351559
□ Domestic 35-25-36	-129785	349949
□ Domestic 23-25-36	-127675	358340

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 Garden City Field Office
 Division of Water Resources



February 28, 2019
15:57 PM

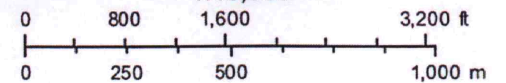
DISCLAIMER: This map is not intended for conveyances, nor is it a legal survey. The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments.

1:18,056

GPS Position

Wells

- | | | | |
|-------|-----|-----|-----------------|
| CON | FPR | MUN | THX |
| Other | DEW | HYD | Empty |
| IRR | DOM | IND | STK |
| | | | WWC5 WELLS GMD3 |



Water Rights and Points of Diversion Within 1.00 miles of point defined as:

2182 ft N and 506 ft W of the SE Corner of Section 27, T 25S, R 36W

Located at: 101.250882 West Longitude and 37.848781 North Latitude

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Tw	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 14267 00	IRR	NK	G	3855	--	--	NC	NW	3959	3927	27	25	36W	1	1400	307.00	307.00	AF
Same				3625	--	--	NC	SW	1300	4022	27	25	36W	7	1600	278.00	278.00	AF
A__ 14278 00	IRR	NK	G	5175	--	--	NW	SE	972	3650	22	25	36W	7		286.00	286.00	AF
Same				3469	--	--	SE	SE	344	435	22	25	36W	9		299.00	299.00	AF
A__ 14285 00	IRR	NK	G*	1932	--	--	NC	NE	3937	1314	27	25	36W	3		294.00	294.00	AF
Same				1223	--	--	NC	SE	1293	1346	27	25	36W	6		291.00	291.00	AF
A__ 19154 00	IRR	NK	G	3829	--	--	SW	NE	4141	3816	35	25	36W	5		272.00	272.00	AF
Same				5254	--	--	NW	NW	2285	4840	35	25	36W	6		272.00	272.00	AF
A__ 19155 00	IRR	NK	G	4497	--	--	NC	SE	1320	1320	26	25	36W	4		272.00	272.00	AF
Same				3356	--	--	NW	NW	2340	2380	26	25	36W	6		272.00	272.00	AF
Same				3644	--	--	SE	SE	126	2719	26	25	36W	7		272.00	272.00	AF
A__ 26068 D1	IRR	NK	G	4801	--	--	NC	SW	1320	3960	23	25	36W	3		272.00	272.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	3387.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	3387.00	.00

Minimum Spacing MET

An * after the source of supply indicates a pending application for change for the file number.

An * after the ID indicates a 15 AF exemption was granted for the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.

The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 1.00 miles of point defined as:

101.250882 West Longitude and 37.848781 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 14267 00	IRR	NK	G
>	YOST FARMS		
>			
>	1142 RD AA		
>	LAKIN KS 67860		

A__ 14278 00	IRR	NK	G
>	YOST FARMS		
>			
>	1142 RD AA		
>	LAKIN KS 67860		

A__ 14285 00	IRR	NK	G
>	YOST FARMS		

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MAR 05 2019

Garden City Field Office
Division of Water Resources

>
> 1142 RD AA
> LAKIN KS 67860

A__ 19154 00 IRR NK G
> TFT ALFALFA FARMS LLC

>
> 1320 N COUNTY ROAD 11
> LEOTI KS 67861

> J CHARLES JAEGER
> 706 COUNTRY HEIGHTS
> PO BOX 347
> LAKIN KS 67860

A__ 19155 00 IRR NK G
> TFT ALFALFA FARMS LLC

>
> 1320 N COUNTY ROAD 11
> LEOTI KS 67861

A__ 26068 D1 IRR NK G
> RALPH & JERALDINE REIMER TRUSTS
> 510 INGALLS ST
> PO BOX 4
> LAKIN KS 67860

=====

INPUTS	
Target Section Definition	
Section	27
Township	25
Range	36
Range Direction	w
Target Point Coordinates (NAD27 or NAD83)	
Target Longitude	-101.251331
Target Latitude	37.848800



- Instructions**
1. Enter values for section, township, range and range direction.
 2. Enter **NAD27** or **NAD83** longitude and latitude of target point.
 3. Click "Load Data and Compute" button.
 4. Use feet distances corresponding to datum of target point.

Loaded Section Data From LEOBASE using NAD83		
Corner	Corner Latitudes	Corner Longitudes
SW	37.84292977	-101.26776785
NW	37.85740984	-101.26773667
NE	37.85738017	-101.24963980
SE	37.84280806	-101.24957895
Degrees Longitude per Foot		3.46312134E-06
Degrees Latitude per Foot		2.74616382E-06
Target Point Distances from Corners using NAD83		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	2138	-4746
NW	-3135	-4737
NE	-3124	488
SE	2182	506

Target point is In Section

Loaded Section Data From LEOBASE using NAD27		
Corner	Corner Latitudes	Corner Longitudes
SW	37.84291100	-101.26731900
NW	37.85739100	-101.26728800
NE	37.85736100	-101.24919100
SE	37.84278900	-101.24913000
Degrees Longitude per Foot		3.46312045E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using NAD27		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	2145	-4617
NW	-3129	-4608
NE	-3118	618
SE	2189	636

Target point is In Section

Difference (NAD83 Minus NAD27)		
Corner	Corner Latitudes	Corner Longitudes
SW	0.00001877	-0.00044885
NW	0.00001884	-0.00044867
NE	0.00001917	-0.00044880
SE	0.00001906	-0.00044895
Difference (NAD83 Minus NAD27)		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	-6.97422378	-129.60732881
NW	-6.65736086	-129.55535487

Garden City Field Office
Division of Water Resources

MAR 05 2019

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Garden City Field Office
2508 Johns Street
Garden City, KS 67846-2804



Phone: 620-276-2901
Fax: 620-276-9315
www.agriculture.ks.gov

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 22, 2019

SOUTHWEST KANSAS GROUNDWATER
MANAGEMENT DISTRICT NO. 3
409 CAMPUS DRIVE, SUITE 106
GARDEN CITY KS 67846

Re: Water Right File No. 14285

Dear Mr. Norquest:

This is to advise you that Vaughn Nightengale has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file.

We are delaying action on the change application to allow you time to review and provide a recommendation. Please submit a recommendation within 15 days from the date of this letter.

Thank you and as always feel free to contact this office at any time.

Sincerely,

A handwritten signature in blue ink that reads "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM
Enclosures